

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 27, 2004, 14:33:37 ; Search time 0.001 Seconds

(without alignments)
1985.368 Million cell updates/sec

Title: us-09-828-344-3

Perfect score: 121

Sequence: 1 gaacagcttggacagagg.....ataatgggtcaagaagtc 121

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 0.5

Searched: 516 seqs, 8204 residues

Total number of hits satisfying chosen parameters: 1032

Minimum DB seq length: 8

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 519 summaries

Database : rge.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
C 1	14.4	11.9	17	1	ACCESSION: AR738325
C 2	14.4	11.9	20	1	ACCESSION: AR0923357
C 3	14.2	11.7	19	1	ACCESSION: B64288
C 4	14.2	11.7	19	1	ACCESSION: AR362074
C 5	14.2	11.7	19	1	ACCESSION: AR470213
C 6	14.2	11.7	19	1	ACCESSION: AR470247
C 7	14.2	11.7	19	1	ACCESSION: AR470281
C 8	14.2	11.7	20	1	ACCESSION: BD012664
C 9	14.2	11.6	21	1	ACCESSION: BD266077
C 10	13.8	11.4	18	1	ACCESSION: AR098360
C 11	13.8	11.4	18	1	ACCESSION: AR174194
C 12	13.8	11.4	19	1	ACCESSION: AR350101
C 13	13.8	11.4	19	1	ACCESSION: AR322579
C 14	13.8	11.4	21	1	ACCESSION: AR076237
C 15	13.6	11.2	20	1	ACCESSION: E10160
C 16	13.6	11.2	20	1	ACCESSION: AR230873
C 17	13.6	11.2	20	1	ACCESSION: AR303174
C 18	13.6	11.2	20	1	ACCESSION: AR305377
C 19	13.6	11.2	20	1	ACCESSION: AR309481
C 20	13.6	11.2	20	1	ACCESSION: AR336974
C 21	13.6	11.2	20	1	ACCESSION: AR167881
C 22	13.6	11.2	20	1	ACCESSION: AR106288
C 23	13.4	11.1	16	1	ACCESSION: AR801947
C 24	13.4	11.1	19	1	ACCESSION: AR104793
C 25	13.4	11.1	19	1	ACCESSION: AR360266
C 26	13.2	10.9	18	1	ACCESSION: AR172483
C 27	13.2	10.9	18	1	ACCESSION: AR302881
C 28	13.2	10.9	18	1	ACCESSION: AR391410
C 29	13.2	10.9	19	1	ACCESSION: I14337
C 30	13.2	10.9	19	1	ACCESSION: AR412030
C 31	13.2	10.9	20	1	ACCESSION: AR292904
C 32	13.2	10.9	20	1	ACCESSION: AR297288
C 33	13.2	10.9	20	1	ACCESSION: BD090400

C 34	13.2	10.9	20	1	BD176478
C 35	13.2	10.9	20	1	BD181238
C 36	12.8	10.6	17	1	AX690471
C 37	12.8	10.6	17	1	AX690472
C 38	12.8	10.6	18	1	AX087059
C 39	12.8	10.6	18	1	AX300017
C 40	12.8	10.6	19	1	AX130155
C 41	12.6	10.4	18	1	I23858
C 42	12.6	10.4	18	1	I25017
C 43	12.6	10.4	19	1	AX7309
C 44	12.6	10.4	19	1	AX131661
C 45	12.6	10.4	19	1	AX648133
C 46	12.4	10.2	15	1	A35633
C 47	12.4	10.2	16	1	AX801945
C 48	12.4	10.2	17	1	AR327340
C 49	12.4	10.2	17	1	AR327341
C 50	12.4	10.2	17	1	AX690473
C 51	12.4	10.2	17	1	AX690474
C 52	12.4	10.2	17	1	AX725281
C 53	12.4	10.2	17	1	AX735886
C 54	12.4	10.2	17	1	AX759703
C 55	12.4	10.2	17	1	AX761711
C 56	12.2	10.1	17	1	BD254593
C 57	12.2	10.1	17	1	AR188750
C 58	12.2	10.1	17	1	AR324603
C 59	12.2	10.1	17	1	AX217033
C 60	12.2	10.1	17	1	AX648592
C 61	12.2	10.1	17	1	AX745075
C 62	12.2	10.1	17	1	AX745076
C 63	12.2	10.1	18	1	AR294175
C 64	12.2	10.1	18	1	AX244247
C 65	12.2	10.1	18	1	AX358005
C 66	12.2	10.1	18	1	BD088214
C 67	12.2	10.1	18	1	BD135847
C 68	12.2	10.1	18	1	BD226541
C 69	12.2	10.1	18	1	AB069059
C 70	12	9.9	17	1	AX732618
C 71	12	9.9	18	1	AX328908
C 72	12	9.9	18	1	AX326950
C 73	11.8	9.8	15	1	AR133302
C 74	11.8	9.8	17	1	AR040355
C 75	11.8	9.8	17	1	AR072159
C 76	11.8	9.8	17	1	I27067
C 77	11.8	9.8	17	1	AR190103
C 78	11.8	9.8	17	1	AR325079
C 79	11.8	9.8	17	1	AX578297
C 80	11.8	9.8	17	1	AX578848
C 81	11.8	9.8	17	1	AX578849
C 82	11.8	9.8	17	1	AX673824
C 83	11.8	9.8	17	1	AX690470
C 84	11.8	9.8	17	1	AX731855
C 85	11.8	9.8	17	1	AX733655
C 86	11.8	9.8	17	1	AX733848
C 87	11.8	9.8	17	1	AX734679
C 88	11.8	9.8	17	1	AX737275
C 89	11.8	9.8	17	1	AX738106
C 90	11.8	9.8	17	1	AX745077
C 91	11.8	9.8	17	1	AX745078
C 92	11.8	9.8	17	1	AX746368
C 93	11.8	9.8	17	1	AX756699
C 94	11.8	9.8	17	1	AX761353
C 95	11.8	9.8	17	1	AX762798
C 96	11.8	9.8	17	1	AX762798
C 97	11.8	9.8	17	1	AX762798
C 98	11.8	9.8	18	1	BD266291
C 99	11.8	9.8	18	1	AR299605
C 100	11.8	9.8	18	1	AR299619
C 101	11.8	9.8	18	1	AR373429
C 102	11.4	9.4	13	1	AX358029
C 103	11.4	9.4	13	1	AX379357
C 104	11.4	9.4	13	1	AX682962
C 105	11.4	9.4	13	1	AX683746
C 106	11.4	9.4	15	1	AR12736
C 107	11.4	9.4	15	1	AR133301

C 107	11.4	9.4	15	1	AR133654	ACCESSION:AR133654	C 180	11.2	9.3	17	1	AR324681	ACCESSION:AR324681
C 108	11.4	9.4	15	1	I05201	ACCESSION:I05201	C 181	11.2	9.3	17	1	AR326977	ACCESSION:AR326977
C 109	11.4	9.4	17	1	A67028	ACCESSION:A67028	C 182	11.2	9.3	17	1	AR329436	ACCESSION:AR329436
C 110	11.4	9.4	17	1	A67030	ACCESSION:A67030	C 183	11.2	9.3	17	1	AR401813	ACCESSION:AR401813
C 111	11.4	9.4	17	1	AR057434	ACCESSION:AR057434	C 184	11.2	9.3	17	1	AR401814	ACCESSION:AR401814
C 112	11.4	9.4	17	1	AR115192	ACCESSION:AR115192	C 185	11.2	9.3	17	1	AR402213	ACCESSION:AR402213
C 113	11.4	9.4	17	1	BD241438	ACCESSION:BD241438	C 186	11.2	9.3	17	1	AR402214	ACCESSION:AR402214
C 114	11.4	9.4	17	1	BD255297	ACCESSION:BD255297	C 187	11.2	9.3	17	1	AX119498	ACCESSION:AX119498
C 115	11.4	9.4	17	1	AR189890	ACCESSION:AR189890	C 188	11.2	9.3	17	1	AX119548	ACCESSION:AX119548
C 116	11.4	9.4	17	1	AR189891	ACCESSION:AR189891	C 189	11.2	9.3	17	1	AX215281	ACCESSION:AX215281
C 117	11.4	9.4	17	1	AR189892	ACCESSION:AR189892	C 190	11.2	9.3	17	1	AX216642	ACCESSION:AX216642
C 118	11.4	9.4	17	1	AR286184	ACCESSION:AR286184	C 191	11.2	9.3	17	1	AX217032	ACCESSION:AX217032
C 119	11.4	9.4	17	1	AR324876	ACCESSION:AR324876	C 192	11.2	9.3	17	1	AX226938	ACCESSION:AX226938
C 120	11.4	9.4	17	1	AR324877	ACCESSION:AR324877	C 193	11.2	9.3	17	1	AX227215	ACCESSION:AX227215
C 121	11.4	9.4	17	1	AR324878	ACCESSION:AR324878	C 194	11.2	9.3	17	1	AX227623	ACCESSION:AX227623
C 122	11.4	9.4	17	1	AR327342	ACCESSION:AR327342	C 195	11.2	9.3	17	1	AX227807	ACCESSION:AX227807
C 123	11.4	9.4	17	1	AR398174	ACCESSION:AR398174	C 196	11.2	9.3	17	1	AX325169	ACCESSION:AX325169
C 124	11.4	9.4	17	1	AR433812	ACCESSION:AR433812	C 197	11.2	9.3	17	1	AX325170	ACCESSION:AX325170
C 125	11.4	9.4	17	1	AR433813	ACCESSION:AR433813	C 198	11.2	9.3	17	1	AX325201	ACCESSION:AX325201
C 126	11.4	9.4	17	1	AR433814	ACCESSION:AR433814	C 199	11.2	9.3	17	1	AX325202	ACCESSION:AX325202
C 127	11.4	9.4	17	1	AR433815	ACCESSION:AR433815	C 200	11.2	9.3	17	1	AX421781	ACCESSION:AX421781
C 128	11.4	9.4	17	1	AR433816	ACCESSION:AR433816	C 201	11.2	9.3	17	1	AX422668	ACCESSION:AX422668
C 129	11.4	9.4	17	1	AX214743	ACCESSION:AX214743	C 202	11.2	9.3	17	1	AX422669	ACCESSION:AX422669
C 130	11.4	9.4	17	1	AX216451	ACCESSION:AX216451	C 203	11.2	9.3	17	1	AX422889	ACCESSION:AX422889
C 131	11.4	9.4	17	1	AX216708	ACCESSION:AX216708	C 204	11.2	9.3	17	1	AX428852	ACCESSION:AX428852
C 132	11.4	9.4	17	1	AX217046	ACCESSION:AX217046	C 205	11.2	9.3	17	1	AX499445	ACCESSION:AX499445
C 133	11.4	9.4	17	1	AX383927	ACCESSION:AX383927	C 206	11.2	9.3	17	1	AX499446	ACCESSION:AX499446
C 134	11.4	9.4	17	1	AX530857	ACCESSION:AX530857	C 207	11.2	9.3	17	1	AX530858	ACCESSION:AX530858
C 135	11.4	9.4	17	1	AX530858	ACCESSION:AX530858	C 208	11.2	9.3	17	1	AX530859	ACCESSION:AX530859
C 136	11.4	9.4	17	1	AX530859	ACCESSION:AX530859	C 209	11.2	9.3	17	1	AX531327	ACCESSION:AX531327
C 137	11.4	9.4	17	1	AX530860	ACCESSION:AX530860	C 210	11.2	9.3	17	1	AX531328	ACCESSION:AX531328
C 138	11.4	9.4	17	1	AX530861	ACCESSION:AX530861	C 211	11.2	9.3	17	1	AX615946	ACCESSION:AX615946
C 139	11.4	9.4	17	1	AX634498	ACCESSION:AX634498	C 212	11.2	9.3	17	1	AX615947	ACCESSION:AX615947
C 140	11.4	9.4	17	1	AX690475	ACCESSION:AX690475	C 213	11.2	9.3	17	1	AX634674	ACCESSION:AX634674
C 141	11.4	9.4	17	1	AX723099	ACCESSION:AX723099	C 214	11.2	9.3	17	1	AX648591	ACCESSION:AX648591
C 142	11.4	9.4	17	1	AX729731	ACCESSION:AX729731	C 215	11.2	9.3	17	1	AX648593	ACCESSION:AX648593
C 143	11.4	9.4	17	1	AX737246	ACCESSION:AX737246	C 216	11.2	9.3	17	1	AX648957	ACCESSION:AX648957
C 144	11.4	9.4	17	1	AX757525	ACCESSION:AX757525	C 217	11.2	9.3	17	1	AX671767	ACCESSION:AX671767
C 145	11.4	9.4	17	1	BD199135	ACCESSION:BD199135	C 218	11.2	9.3	17	1	AX672241	ACCESSION:AX672241
C 146	11.2	9.3	16	1	A45809	ACCESSION:A45809	C 219	11.2	9.3	17	1	AX673912	ACCESSION:AX673912
C 147	11.2	9.3	16	1	AR003141	ACCESSION:AR003141	C 220	11.2	9.3	17	1	AX673912	ACCESSION:AX673912
C 148	11.2	9.3	16	1	AR003234	ACCESSION:AR003234	C 221	11.2	9.3	17	1	AX687320	ACCESSION:AX687320
C 149	11.2	9.3	16	1	AR011509	ACCESSION:AR011509	C 222	11.2	9.3	17	1	AX687321	ACCESSION:AX687321
C 150	11.2	9.3	16	1	AR055769	ACCESSION:AR055769	C 223	11.2	9.3	17	1	AX722905	ACCESSION:AX722905
C 151	11.2	9.3	16	1	I18147	ACCESSION:I18147	C 224	11.2	9.3	17	1	AX723232	ACCESSION:AX723232
C 152	11.2	9.3	16	1	AR329700	ACCESSION:AR329700	C 225	11.2	9.3	17	1	AX726802	ACCESSION:AX726802
C 153	11.2	9.3	16	1	AX004022	ACCESSION:AX004022	C 226	11.2	9.3	17	1	AX726853	ACCESSION:AX726853
C 154	11.2	9.3	17	1	A97774	ACCESSION:A97774	C 227	11.2	9.3	17	1	AX727811	ACCESSION:AX727811
C 155	11.2	9.3	17	1	AR007465	ACCESSION:AR007465	C 228	11.2	9.3	17	1	AX728055	ACCESSION:AX728055
C 156	11.2	9.3	17	1	AR007466	ACCESSION:AR007466	C 229	11.2	9.3	17	1	AX729042	ACCESSION:AX729042
C 157	11.2	9.3	17	1	AR045949	ACCESSION:AR045949	C 230	11.2	9.3	17	1	AX729572	ACCESSION:AX729572
C 158	11.2	9.3	17	1	AR045951	ACCESSION:AR045951	C 231	11.2	9.3	17	1	AX730484	ACCESSION:AX730484
C 159	11.2	9.3	17	1	AR057612	ACCESSION:AR057612	C 232	11.2	9.3	17	1	AX733179	ACCESSION:AX733179
C 160	11.2	9.3	17	1	AR101649	ACCESSION:AR101649	C 233	11.2	9.3	17	1	AX734702	ACCESSION:AX734702
C 161	11.2	9.3	17	1	AR115370	ACCESSION:AR115370	C 234	11.2	9.3	17	1	AX735012	ACCESSION:AX735012
C 162	11.2	9.3	17	1	BD241121	ACCESSION:BD241121	C 235	11.2	9.3	17	1	AX735266	ACCESSION:AX735266
C 163	11.2	9.3	17	1	BD241420	ACCESSION:BD241420	C 236	11.2	9.3	17	1	AX737150	ACCESSION:AX737150
C 164	11.2	9.3	17	1	BD254592	ACCESSION:BD254592	C 237	11.2	9.3	17	1	AX738417	ACCESSION:AX738417
C 165	11.2	9.3	17	1	BD258187	ACCESSION:BD258187	C 238	11.2	9.3	17	1	AX738611	ACCESSION:AX738611
C 166	11.2	9.3	17	1	I53001	ACCESSION:I53001	C 239	11.2	9.3	17	1	AX739555	ACCESSION:AX739555
C 167	11.2	9.3	17	1	I53003	ACCESSION:I53003	C 240	11.2	9.3	17	1	AX739697	ACCESSION:AX739697
C 168	11.2	9.3	17	1	AR186022	ACCESSION:AR186022	C 241	11.2	9.3	17	1	AX745074	ACCESSION:AX745074
C 169	11.2	9.3	17	1	AR186023	ACCESSION:AR186023	C 242	11.2	9.3	17	1	AX756746	ACCESSION:AX756746
C 170	11.2	9.3	17	1	AR188749	ACCESSION:AR188749	C 243	11.2	9.3	17	1	AX757336	ACCESSION:AX757336
C 171	11.2	9.3	17	1	AR188751	ACCESSION:AR188751	C 244	11.2	9.3	17	1	AX757611	ACCESSION:AX757611
C 172	11.2	9.3	17	1	AR188828	ACCESSION:AR188828	C 245	11.2	9.3	17	1	AX760780	ACCESSION:AX760780
C 173	11.2	9.3	17	1	AR195582	ACCESSION:AR195582	C 246	11.2	9.3	17	1	AX761672	ACCESSION:AX761672
C 174	11.2	9.3	17	1	AR195584	ACCESSION:AR195584	C 247	11.2	9.3	17	1	BD067313	ACCESSION:BD067313
C 175	11.2	9.3	17	1	AR254767	ACCESSION:AR254767	C 248	11.2	9.3	17	1	BD067314	ACCESSION:BD067314
C 176	11.2	9.3	17	1	AR322653	ACCESSION:AR322653	C 249	11.2	9.3	17	1	BD067713	ACCESSION:BD067713
C 177	11.2	9.3	17	1	AR322654	ACCESSION:AR322654	C 250	11.2	9.3	17	1	BD067714	ACCESSION:BD067714
C 178	11.2	9.3	17	1	AR324602	ACCESSION:AR324602	C 251	11.2	9.3	17	1	BD199062	ACCESSION:BD199062
C 179	11.2	9.3	17	1	AR324604	ACCESSION:AR324604	C 252	11.2	9.3	17	1	BD201262	ACCESSION:BD201262

C 253	11.2	9.3	17	1	BD203086	ACCESSION:BD203086	326	10.4	8.6	15	1	161576	ACCESSION:161576
C 254	11	9.1	11	1	AR168872	ACCESSION:AR168872	327	10.4	8.6	15	1	161577	ACCESSION:161577
C 255	11	9.1	11	1	AX393080	ACCESSION:AX393080	328	10.4	8.6	15	1	AR180131	ACCESSION:AR180131
C 256	11	9.1	11	1	AX470739	ACCESSION:AX470739	C 329	10.4	8.6	15	1	AR180222	ACCESSION:AR180222
C 257	11	9.1	11	1	AX628001	ACCESSION:AX628001	C 330	10.4	8.6	15	1	AR201960	ACCESSION:AR201960
C 258	11	9.1	12	1	A96398	ACCESSION:A96398	C 331	10.4	8.6	15	1	AR218055	ACCESSION:AR218055
C 259	11	9.1	12	1	I27710	ACCESSION:I27710	C 332	10.4	8.6	15	1	AR266689	ACCESSION:AR266689
C 260	11	9.1	12	1	I83054	ACCESSION:I83054	C 333	10.4	8.6	15	1	AR274376	ACCESSION:AR274376
C 261	11	9.1	15	1	A12734	ACCESSION:A12734	C 334	10.4	8.6	15	1	AR344918	ACCESSION:AR344918
C 262	11	9.1	15	1	A12735	ACCESSION:A12735	C 335	10.4	8.6	15	1	AR374554	ACCESSION:AR374554
C 263	11	9.1	15	1	A12737	ACCESSION:A12737	C 336	10.4	8.6	15	1	AR382294	ACCESSION:AR382294
C 264	11	9.1	15	1	AR131576	ACCESSION:AR131576	C 337	10.4	8.6	15	1	AR429635	ACCESSION:AR429635
C 265	11	9.1	15	1	AX377271	ACCESSION:AX377271	C 338	10.4	8.6	15	1	AR496206	ACCESSION:AR496206
C 266	11	9.1	15	1	AX377292	ACCESSION:AX377292	C 339	10.4	8.6	15	1	AX377352	ACCESSION:AX377352
C 267	11	9.1	16	1	AX328460	ACCESSION:AX328460	C 340	10.4	8.6	15	1	AX429983	ACCESSION:AX429983
C 268	10.8	8.9	14	1	A12266	ACCESSION:A12266	C 341	10.4	8.6	15	1	AX440107	ACCESSION:AX440107
C 269	10.8	8.9	15	1	AR033480	ACCESSION:AR033480	C 342	10.4	8.6	15	1	AX465293	ACCESSION:AX465293
C 270	10.8	8.9	15	1	AR055892	ACCESSION:AR055892	C 343	10.4	8.6	15	1	AX566106	ACCESSION:AX566106
C 271	10.8	8.9	15	1	AR113302	ACCESSION:AR113302	C 344	10.4	8.6	15	1	AX635904	ACCESSION:AX635904
C 272	10.8	8.9	15	1	AR113650	ACCESSION:AR113650	C 345	10.4	8.6	15	1	AX635906	ACCESSION:AX635906
C 273	10.8	8.9	15	1	AR131577	ACCESSION:AR131577	C 346	10.4	8.6	15	1	BD208372	ACCESSION:BD208372
C 274	10.8	8.9	15	1	BD233340	ACCESSION:BD233340	C 347	10.4	8.6	15	1	BD208373	ACCESSION:BD208373
C 275	10.8	8.9	15	1	BD246789	ACCESSION:BD246789	C 348	10.4	8.6	16	1	BD233342	ACCESSION:BD233342
C 276	10.8	8.9	15	1	I57709	ACCESSION:I57709	C 349	10.4	8.6	16	1	BD266263	ACCESSION:BD266263
C 277	10.8	8.9	15	1	AR180516	ACCESSION:AR180516	C 350	10.4	8.6	16	1	ACCESSION:I34866	ACCESSION:I34866
C 278	10.8	8.9	15	1	AR209754	ACCESSION:AR209754	C 351	10.4	8.6	16	1	AR221699	ACCESSION:AR221699
C 279	10.8	8.9	15	1	AX007894	ACCESSION:AX007894	C 352	10.4	8.6	16	1	AR221700	ACCESSION:AR221700
C 280	10.8	8.9	15	1	AX586881	ACCESSION:AX586881	C 353	10.4	8.6	16	1	AR257444	ACCESSION:AR257444
C 281	10.8	8.9	15	1	AX632960	ACCESSION:AX632960	C 354	10.4	8.6	16	1	AR257445	ACCESSION:AR257445
C 282	10.8	8.9	15	1	BD207213	ACCESSION:BD207213	C 355	10.4	8.6	16	1	AR282276	ACCESSION:AR282276
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C 288	10.8	8.9	16	1	AX133147	ACCESSION:AX133147	C 361	10.4	8.6	16	1	AX383902	ACCESSION:AX383902
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C 290	10.8	8.9	16	1	AX328308	ACCESSION:AX328308	C 363	10.4	8.6	16	1	BD093189	ACCESSION:BD093189
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C 312	10.4	8.6	13	1	AX394757	ACCESSION:AX394757	C 385	10.2	8.4	15	1	I78267	ACCESSION:I78267
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C 322	10.4	8.6	14	1	AX007895	ACCESSION:AX007895	C 395	10.2	8.4	15	1	AX770827	ACCESSION:AX770827
C 323	10.4	8.6	15	1	AR071834	ACCESSION:AR071834	C 396	10.2	8.4	15	1	BD206427	ACCESSION:BD206427
C 324	10.4	8.6	15	1	AR093145	ACCESSION:AR093145	C 397	10.2	8.4	15	1	BD207393	ACCESSION:BD207393
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C 401	10	8.3	11	1	AR408770	ACCESSION:AR408770	C 474	9.8	8.1	15	1	AR132337	ACCESSION:AR132337
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C 403	10	8.3	11	1	AX708110	ACCESSION:AX708110	C 476	9.8	8.1	15	1	AR133202	ACCESSION:AR133202
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C 406	10	8.3	13	1	AX796964	ACCESSION:AX796964	C 479	9.8	8.1	15	1	AR133205	ACCESSION:AR133205
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C 410	10	8.3	14	1	AB9415	ACCESSION:AB9415	C 483	9.8	8.1	15	1	AR133888	ACCESSION:AR133888
C 411	10	8.3	14	1	AR403450	ACCESSION:AR403450	C 484	9.8	8.1	15	1	E02414	ACCESSION:E02414
C 412	10	8.3	14	1	BD066927	ACCESSION:BD066927	C 485	9.8	8.1	15	1	E07289	ACCESSION:E07289
C 413	10	8.3	14	1	BD066928	ACCESSION:BD066928	C 486	9.8	8.1	15	1	E11942	ACCESSION:E11942
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C 442	9.8	8.1	14	1	A88841	ACCESSION:A88841	C 515	9.8	8.1	15	1	BD208355	ACCESSION:BD208355
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C 447	9.8	8.1	14	1	BD199415	ACCESSION:BD199415							
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C 470	9.8	8.1	15	1	AR113249	ACCESSION:AR113249							
C 471	9.8	8.1	15	1	AR113570	ACCESSION:AR113570							

RESULT 1
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SEQUENCE:3915 from Patent WO03025177.
DEFINITION
ACCESSION
AX738325
VERSION
AX738325.1
KEYWORDS
GI:30517613
ORGANISM
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
Telerman, A., Anson, R. and Tuijinder, M.
Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
Patent: WO 03025177-A 3915 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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source

ALIGNMENTS

AX738325
Sequence:3915 from Patent WO03025177.
AX738325
AX738325.1
GI:30517613
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
Telerman, A., Anson, R. and Tuijinder, M.
Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
Patent: WO 03025177-A 3915 27-MAR-2003;
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Db 17 CTTTCCCTTGAGGAT 2

RESULT 2
LOCUS AR092357 20 bp DNA linear PAT 08-SEP-2000
DEFINITION Sequence 28 from patent US 5998148.
ACCESSION AR092357
VERSION AR092357.1 GI:10019111
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Bennett,C.Frank, and Ackermann,E.J.
TITLE Antisense modulation of microtubule-associated protein 4 expression
JOURNAL Patent: US 5998148-A 28 07-DEC-1999;
FEATURES Location/Qualifiers
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Best Local Similarity 93.8%; Pred. No. 37;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 4 TTCTGTGGGCCATCT 19

RESULT 3
LOCUS E64288 19 bp DNA linear PAT 18-JUN-2001
DEFINITION Polynucleotide molecule encoding Neospora protein.
ACCESSION E64288
VERSION E64288.1 GI:13017794
KEYWORDS JP 1999332583-A/20.
SOURCE Neospora caninum.
ORGANISM Neospora caninum
Eukaryota; Alveolata; Apicomplexa; Coccidia; Eimeriida;
Sarcocystidae; Neospora.
REFERENCE 1 (bases 1 to 19)
AUTHORS David,A.B., Rebecca,A.M., Bekki,A.D., Barakurishuman,R.K. and Susan,C.Y.
TITLE Polynucleotide molecule encoding Neospora protein
JOURNAL Patent: JP 1999332583-A 20 07-DEC-1999;
COMMENT PFIZER PROD INC
OS Neospora caninum
PN JP 1999332583-A/20
PD 07-DEC-1999
PF 25-MAR-1999 JP 1999081833
PR 60/079389,15-DEC-1998 US 60/112282 PI
BARAKURISHUMAN RAJENDRA KRISHNAN SUSAN CHRISTINE YODA PC
C12N15/09,A61K31/00,A61K35/12,A61K38/00,A61K39/59,C07K14/44, PC
C07K16/18,
PC C12N15/02,C12P21/02,C12P21/08,C12N15/00,A61K37/02,C12N15/00 CC

FH Key Location/Qualifiers
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PT /organism='Neospora caninum'.
Location/Qualifiers

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QY 667 GAGGTTTACTTTGCACGC 685
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Db 1 GAGAGTTTGTCTTGACCG 19

RESULT 4
LOCUS AR362074 19 bp DNA linear PAT 17-AUG-2003
DEFINITION Sequence 25 from patent US 6600027.
ACCESSION AR362074
VERSION AR362074.1 GI:33770225
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 19)
AUTHORS Krishnan,B.R., Madura,R., Yoder,C., Durtschi,B. and Brake,D.A.
TITLE Polynucleotide molecules encoding neospora proteins
JOURNAL Patent: US 6600027-A 25 29-JUL-2003;
FEATURES Location/Qualifiers
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Best Local Similarity 84.2%; Pred. No. 38;
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Db 1 GAGAGTTTGTCTTGACCG 19

RESULT 5
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DEFINITION Sequence 25 from Patent EP1221485.
ACCESSION AX470213
VERSION AX470213.1 GI:22205404
KEYWORDS
SOURCE Neospora caninum
ORGANISM Neospora caninum
Eukaryota; Alveolata; Apicomplexa; Coccidia; Eimeriida;
Sarcocystidae; Neospora.
REFERENCE 1
AUTHORS Brake,D.A., Madura,R.A., Durtschi,B.A., Krishnan,B.R. and Yoder,S.C.
TITLE Polynucleotide molecules encoding neospora proteins
JOURNAL Patent: EP 1221485-A 25 10-JUL-2002;
COMMENT PFIZER PRODUCTS INC. (US)
FEATURES Location/Qualifiers
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Query Match      11.7%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 38;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Query Match
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Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 710 AATCTCTGGGCGCAT 725
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DB 17 AATCCYGTGGGCGCAT 2

RESULT 10
AR098360/c AR098360 18 bp DNA linear PAT 14-FEB-2001
LOCUS
DEFINITION Sequence 20 from patent US 6075123.
ACCESSION AR098360
VERSION AR098360.1 GI:12807617
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 18)
AUTHORS Lahti,J.M. and Kidd,V.J.
TITLE Cyclin-C variants, and diagnostic and therapeutic uses thereof
JOURNAL Patent: US 6075123-A 20 13-JUN-2000;
FEATURES
Location/Qualifiers
source
1..18
/organism="unknown"
/mol_type="unassigned DNA"

Query Match
Best Local Similarity 11.4%; Score 13.8; DB 1; Length 18;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 756 ATATGGGTCAAGATC 772
|||||:|||||
DB 17 ATATGGGTCAAGATC 1

RESULT 11
AR174194/c AR174194 18 bp DNA linear PAT 17-DEC-2001
LOCUS
DEFINITION Sequence 20 from patent US 6306648.
ACCESSION AR174194
VERSION AR174194.1 GI:17914514
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 18)
AUTHORS Lahti,J.M. and Kidd,V.J.
TITLE Cyclin-C variants, and diagnostic and therapeutic uses thereof
JOURNAL Patent: US 6306648-A 20 23-OCT-2001;
FEATURES
Location/Qualifiers
source
1..18
/organism="unknown"
/mol_type="unassigned DNA"

Query Match
Best Local Similarity 11.4%; Score 13.8; DB 1; Length 18;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 756 ATATGGGTCAAGATC 772
|||||:|||||
DB 17 ATATGGGTCAAGATC 1

RESULT 12
AR350101 AR350101 19 bp DNA linear PAT 17-AUG-2003
LOCUS

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DEFINITION Sequence 40 from patent US 6586229.
ACCESSION AR350101
VERSION AR350101.1 GI:33751056
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 19)
AUTHORS Ben-Bassat,A., Cattermole,M., Gatenby,A.A., Gibson,K.J.,
Ramos-Gonzalez,M.I., Ramos,J.L. and Sariaslani,S.
TITLE Method for the production of .rho.-Hydroxybenzoate in species of
pseudomonas and agrobacterium
JOURNAL Patent: US 6586229-A 40 01-JUL-2003;
FEATURES
Location/Qualifiers
source
1..19
/organism="unknown"
/mol_type="genomic DNA"

Query Match
Best Local Similarity 11.4%; Score 13.8; DB 1; Length 19;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 699 GCTGTACCCGAAATTGC 715
|||||:|||||
DB 2 GCCGTACCCGAAATTGC 18

RESULT 13
AX322579 AX322579 19 bp DNA linear PAT 02-SEP-2002
LOCUS
DEFINITION Sequence 40 from Patent WO0192539.
ACCESSION AX322579
VERSION AX322579.1 GI:18093599
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1
AUTHORS Ben-Bassat,A., Cattermole,M., Gatenby,A.A., Gibson,K.J.,
Ramos-Gonzalez,M.I., Ramos,J.L. and Sariaslani,S.
TITLE Method for the production of p-hydroxybenzoate in species of
pseudomonas and agrobacterium
JOURNAL Patent: WO 0192539-A 40 06-DEC-2001;
E.I. DUPONT DE NEMOURS AND COMPANY, Legal Patent Records Center
(US)
FEATURES
Location/Qualifiers
source
1..19
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer-primer used for sequencing pcu"

Query Match
Best Local Similarity 11.4%; Score 13.8; DB 1; Length 19;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 699 GCTGTACCCGAAATTGC 715
|||||:|||||
DB 2 GCCGTACCCGAAATTGC 18

RESULT 14
AX076237/c AX076237 21 bp DNA linear PAT 06-FEB-2001
LOCUS
DEFINITION Sequence 17 from Patent WO0104281.
ACCESSION AX076237
VERSION AX076237.1 GI:12710862
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1
AUTHORS von Samson-Himmelstjerna,G., Harder,A., Schnieder,T. and Pape,M.

```

TITLE Dna coding for g(b)-tubulin and use thereof
 JOURNAL Patent: WO 0104281-A 17 18-JAN-2001;
 BAYER Aktiengesellschaft (DE)
 FEATURES Location/Qualifiers
 source 1..21
 /organism="synthetic construct"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32630"
 /note="Primer/Hybridisierungssonden"

Query Match 11.4%; Score 13.8; DB 1; Length 21;
 Best Local Similarity 88.2%; Pred. No. 53;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 676 CTTTGACGCGGAAGATA 692
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 DB 19 CTTTGCGCGGAACATA 3

RESULT 15

E10160 20 bp DNA linear PAT 29-SEP-1997

LOCUS E10160
 DEFINITION Primer.
 ACCESSION E10160
 VERSION E10160.1 GI:22026989
 KEYWORDS JP 1995289262-A/1.
 SOURCE unidentified
 ORGANISM unidentified

REFERENCE 1 (bases 1 to 20)
 AUTHORS Hashimoto, T. and Mizuno, T.
 TITLE METHOD FOR TRANSDUCTION OF SITE-SPECIFIC MUTATION
 JOURNAL Patent: JP 1995289262-A 1 07-NOV-1995;
 TAKARA SHUZO CO LTD

COMMENT OS None
 OC Artificial sequences.
 FN JP 1995289262-A/1
 PD 07-NOV-1995

PF 28-FEB-1995 JP 1995063484
 PR 02-MAR-1994 JP 94P 54795
 PI HASHIMOTO TAMOTSU, MIZUNO TOSHIKI
 PC C12N15/09//C12N1/21, (C12N1/21, C12R1/19);
 CC strandedness: Single;
 CC topology: Linear;
 CC hypothetical: No;
 FH Key
 FT Location/Qualifiers

FT source 1..20
 /organism="Artificial sequences".
 FEATURES Location/Qualifiers
 source 1..20
 /organism="unidentified"
 /mol_type="genomic DNA"
 /db_xref="taxon:32644"

Query Match 11.2%; Score 13.6; DB 1; Length 20;
 Best Local Similarity 80.0%; Pred. No. 55;
 Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 724 ATCTAGACCTTTTACCTTGA 743
 |||||
 DB 1 AACTAGACCGTTTAGCTGGA 20

RESULT 16

AR230873 20 bp DNA linear PAT 20-DEC-2002
 LOCUS AR230873
 DEFINITION Sequence 133 from patent US 6451602.
 ACCESSION AR230873
 VERSION AR230873.1 GI:27271660
 KEYWORDS Unknown.
 SOURCE Unknown.

Unclassified.
 REFERENCE 1 (bases 1 to 20)
 AUTHORS Popoff, I. and Cowse, L.M.
 TITLE Antisense modulation of PARP expression
 JOURNAL Patent: US 6451602-A 133 17-SEP-2002;
 FEATURES Location/Qualifiers
 source 1..20
 /organism="unknown"
 /mol_type="genomic DNA"

Query Match 11.2%; Score 13.6; DB 1; Length 20;
 Best Local Similarity 80.0%; Pred. No. 55;
 Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 691 TACTGATTGCTGTACCCGAA 710
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 DB 1 TATTAACCTCTGTACCCGAA 20

RESULT 17

AR303174/c 20 bp DNA linear PAT 12-JUN-2003
 LOCUS AR303174
 DEFINITION Sequence 3 from patent US 6544727.
 ACCESSION AR303174
 VERSION AR303174.1 GI:31691935
 KEYWORDS Unknown.
 SOURCE Unknown.

ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 20)
 AUTHORS Hei, D.J.
 TITLE Methods and devices for the removal of psoralens from blood
 JOURNAL Products
 Patent: US 6544727-A 3 08-APR-2003;
 FEATURES Location/Qualifiers

source 1..20
 /organism="unknown"
 /mol_type="genomic DNA"
 Query Match 11.2%; Score 13.6; DB 1; Length 20;
 Best Local Similarity 80.0%; Pred. No. 55;
 Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 695 GATGCTGTACCCGAAATTG 714
 |||||
 DB 20 GAGTGCCCTTCCCGAAATTG 1

RESULT 18
 AR305377/c 20 bp DNA linear PAT 12-JUN-2003
 LOCUS AR305377
 DEFINITION Sequence 331 from patent US 6545137.
 ACCESSION AR305377
 VERSION AR305377.1 GI:31694687
 KEYWORDS Unknown.
 SOURCE Unknown.

ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 20)
 AUTHORS Todd, J.A., Hess, J.W., Caskey, C.T., Cox, R.D., Gerhold, D.,
 Hammond, H., Hey, P., Kawaguchi, Y., Merriman, T.R., Metzker, M.L.,
 Nakagawa, Y., Phillips, M.S. and Twells, R.C.J.
 TITLE Receptor
 JOURNAL Patent: US 6545137-A 331 08-APR-2003;
 FEATURES Location/Qualifiers

source 1..20
 /organism="unknown"
 /mol_type="genomic DNA"
 Query Match 11.2%; Score 13.6; DB 1; Length 20;
 Best Local Similarity 80.0%; Pred. No. 55;
 Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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QY 722 CCATCTAGACCTTTTACCTT 741
Db 20 CCATTTGGACTTTTACCTT 1

RESULT 19
AR309481/c AR309481 20 bp DNA linear PAT 12-JUN-2003
LOCUS AR309481 Sequence 331 from patent US 6555654
DEFINITION AR309481
ACCESSION AR309481
VERSION AR309481.1 GI:31701486
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Todd, J.A., Hess, J.W., Caskey, C.T., Cox, R.D., Gerhold, D.,
Hammond, H., Hey, P., Kawaguchi, Y., Merriman, T.R., Metzker, M.L.,
Nakagawa, Y., Phillips, M.S. and Twells, R.C.J.
TITLE LDL-receptor
JOURNAL
FEATURES
source
1..20
/organism="unknown"
/mol_type="genomic DNA"

Query Match 11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 55;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 722 CCATCTAGACCTTTTACCTT 741
Db 20 CCATTTGGACTTTTACCTT 1

RESULT 20
AR336974 AR336974 20 bp DNA linear PAT 17-AUG-2003
LOCUS AR336974 Sequence 35 from patent US 6566132.
DEFINITION AR336974
ACCESSION AR336974
VERSION AR336974.1 GI:33722828
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Watt, A.T.
TITLE Antisense modulation of Interferon gamma receptor 1 expression
JOURNAL
FEATURES
source
1..20
/organism="unknown"
/mol_type="genomic DNA"

Query Match 11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 55;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 675 ACTTTCGACCGAGATACCT 694
Db 1 ACTTTCGATAGCGATTCCT 20

RESULT 21
AX167881 AX167881 20 bp DNA linear PAT 03-JUL-2001
LOCUS AX167881 Sequence 65 from Patent WO0142307.
DEFINITION AX167881
ACCESSION AX167881
VERSION AX167881.1 GI:14597201
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.

REFERENCE 1
AUTHORS Saito, K., Ohe, N. and Satoh, H.
TITLE Mutant er_g(a) and test systems for transactivation
JOURNAL Patent: WO 0142307-A 65 14-JUN-2001;
Sumitomo Chemical Company, Limited (JP)
FEATURES
source
1..20
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:33630"
/note="Designed oligonucleotide primer for PCR"

Query Match 11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 55;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 721 GCATCTAGACCTTTTACCTT 740
Db 1 GCCCTCTACACATTTTCCCT 20

RESULT 22
BD106288/c BD106288 20 bp DNA linear PAT 18-SEP-2002
LOCUS BD106288 Novel LDL-receptor.
DEFINITION BD106288
ACCESSION BD106288
VERSION BD106288.1 GI:23201106
KEYWORDS JP 2002501376-A/303.
SOURCE Chlamydia sp.
ORGANISM Chlamydia sp.
REFERENCE 1 (bases 1 to 20)
AUTHORS Todd, J.A., Hess, J.W., Caskey, C.T., Cox, R.D., Gerhold, D., Hammond, H.
and Hey, P.
TITLE Novel LDL-receptor
JOURNAL Patent: JP 2002501376-A 303 15-JAN-2002;
THE WELLCOME TRUST LTD AS TRUSTEE TO THE WELLCOME TRUST, MERCK & CO
INC JP 2002501376-A/303
FN JP 2002501376-A/303
PD 15-JAN-2002
PF 15-APR-1998 JP 1998543635
PR 15-APR-1997 US 60/043553, 05-JUN-1997 US 60/048740 PI
JOHN ANDREW TODD, JOHN WILFRED HESS, CHARLES
THOMAS CASKEY, ROGER
PI DAVID COX,
PC C12N15/12, C12N15/11, C12Q1/68, C07K14/705, C07K16/28, A61K38/17,
PC A61K39/395,
PC A61K48/00
CC Strandedness: Single;
CC Topology: Linear;
PH Key Location/Qualifiers.
FEATURES
source
1..20
/organism="Chlamydia sp."
/mol_type="genomic DNA"
/db_xref="taxon:35827"

Query Match 11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 55;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 722 CCATCTAGACCTTTTACCTT 741
Db 20 CCATTTGGACTTTTACCTT 1

RESULT 23
AX801947 AX801947 16 bp DNA linear PAT 24-NOV-2003
LOCUS AX801947 Sequence 86 from Patent WO03057913.
DEFINITION AX801947
ACCESSION AX801947
VERSION AX801947.1 GI:38500871

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KEYWORDS
SOURCE Numida meleagris (helmeted guineafowl)
ORGANISM Numida meleagris
          Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
          Archosauria; Aves; Neognathae; Galliformes; Numididae; Numida.
REFERENCE
AUTHORS Mabilat,C., Desvarenne,S., Babola,O., Lacroix,B. and bello Pigem,N.
TITLE Method for the detection and/or identification of the original
JOURNAL animal species in animal matter contained in a sample
PATENT: WO 03057913-A 86 17-JUL-2003;
BIO MERIEUX (FR)
FEATURES
    source
        Location/Qualifiers
            1..16
            /organism="Numida meleagris"
            /mol_type="unassigned DNA"
            /db_xref="taxon:8996"
Query Match 11.1%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 46;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 751 TCATAATGGGTCA 765
Db 16 TGATAATGGGTCA 2
RESULT 24
AR104793/c
LOCUS AR104793 19 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 3 from patent US 6093873.
ACCESSION AR104793
VERSION AR104793.1 GI:12817501
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 19)
AUTHORS Chambon,P. and Kastner,P.
TITLE Genetically engineered mice containing alterations in the gene
JOURNAL encoding RXR
FEATURES
    source
        Location/Qualifiers
            1..19
            /organism="unknown"
            /mol_type="unassigned DNA"
Query Match 11.1%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 57;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 706 CCGAAATGCTGTGG 720
Db 18 CCGAACTGCTGTGG 4
RESULT 25
AX360266/c
LOCUS AX360266 19 bp DNA linear PAT 13-FEB-2002
DEFINITION Sequence 19 from Patent WO0204489.
ACCESSION AX360266
VERSION AX360266.1 GI:18675780
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS artificial sequences.
TITLE
JOURNAL Braun,A.
POLYMORPHIC kinase anchor proteins and nucleic acids encoding the
PATENT: WO 0204489-A 19 17-JAN-2002;
SEQUENCE, INC. (US)
FEATURES
    source
        Location/Qualifiers
            1..19
            /organism="unknown"
            /mol_type="unassigned DNA"
Query Match 11.1%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 57;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 747 TTATGATATATGG 761
Db 19 TTGTTGATATATGG 5
RESULT 26
AR172483
LOCUS AR172483 18 bp DNA linear PAT 17-DEC-2001
DEFINITION Sequence 74 from patent US 6303314.
ACCESSION AR172483
VERSION AR172483.1 GI:17911974
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Zhang,J.Z.
TITLE T-cell receptor V.beta.-D.beta.-J.beta. sequence and methods for
JOURNAL its detection
FEATURES
    source
        Location/Qualifiers
            1..18
            /organism="unknown"
            /mol_type="unassigned DNA"
Query Match 10.9%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 59;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 656 AGCTTTGGACAGAGGGTT 673
Db 1 AGCTTAGACAGAGGGGCT 18
RESULT 27
AR302881
LOCUS AR302881 18 bp DNA linear PAT 12-JUN-2003
DEFINITION Sequence 74 from patent US 6541608.
ACCESSION AR302881
VERSION AR302881.1 GI:31691400
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Zhang,J.Z.
TITLE T cell receptor V.beta.-D.beta.-J.beta. sequence and methods for
JOURNAL its detection
FEATURES
    source
        Location/Qualifiers
            1..18
            /organism="unknown"
            /mol_type="genomic DNA"
Query Match 10.9%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 59;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 656 AGCTTTGGACAGAGGGTT 673
Db 1 AGCTTAGACAGAGGGGCT 18
RESULT 28

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AX391410 LOCUS AX391410 18 bp DNA linear PAT 23-MAR-2002
 DEFINITION Sequence 74 from Patent WO0216434.
 ACCESSION AX391410
 VERSION AX391410.1 GI:19700033
 KEYWORDS Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Zhang, J.Z.
 TITLE T cell receptor v_g(b)-d_g(b)-j_g(b) sequence and methods for its detection
 JOURNAL Patent: WO 0216434-A 74 28-FEB-2002;
 BAYLOR COLLEGE OF MEDICINE (US)
 FEATURES Location/Qualifiers
 source 1..18
 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"
 Query Match 10.9%; Score 13.2; DB 1; Length 18;
 Best Local Similarity 83.3%; Pred. No. 59;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 656 AGCTTTGACAGAGGGTT 673
 Db 1 AGCTTAGGACAGGGGCT 18
 RESULT 29
 I14337 LOCUS I14337 19 bp DNA linear PAT 26-SEP-1995
 DEFINITION Sequence 7 from patent US 5449604.
 ACCESSION I14337
 VERSION I14337.1 GI:996828
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unclassified.
 REFERENCE 1 (bases 1 to 19)
 AUTHORS Schellenberg G.D., Bird, T.D. and Wijsman, E.M.
 TITLE Chromosome 14 and familial Alzheimers disease genetic markers and assays
 JOURNAL Patent: US 5449604-A 7 12-SEP-1995;
 FEATURES Location/Qualifiers
 source 1..19
 /organism="unknown"
 /mol_type="unassigned DNA"
 Query Match 10.9%; Score 13.2; DB 1; Length 19;
 Best Local Similarity 83.3%; Pred. No. 63;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 728 AGACCTTTTACCTTGAGG 745
 Db 1 AGAAGCTGTACTTGAGG 18
 RESULT 30
 AX412030 LOCUS AX412030 19 bp DNA linear PAT 14-JUN-2002
 DEFINITION Sequence 130 from Patent WO0226968.
 ACCESSION AX412030
 VERSION AX412030.1 GI:21444495
 KEYWORDS
 SOURCE synthetic construct
 ORGANISM synthetic construct
 artificial sequences.
 REFERENCE 1
 AUTHORS Korneluk, R.G., Lacasse, E., Baird, S., Holcik, M. and Young, S.
 TITLE Antisense iap nucleic acids and uses thereof

JOURNAL Patent: WO 0226968-A 130 04-APR-2002;
 University of Ottawa (CA); Asgera Therapeutics Inc. (CA)
 FEATURES Location/Qualifiers
 source 1..19
 /organism="synthetic construct"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32630"
 /note="based on Homo sapiens"
 Query Match 10.9%; Score 13.2; DB 1; Length 19;
 Best Local Similarity 83.3%; Pred. No. 63;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 694 TGATTGCTGTACCCGAAA 711
 Db 1 TGTTTCTGTACCCGAA 18
 RESULT 31
 AR292904 LOCUS AR292904 20 bp DNA linear PAT 12-JUN-2003
 DEFINITION Sequence 4639 from patent US 6537751.
 ACCESSION AR292904
 VERSION AR292904.1 GI:31680188
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unclassified.
 REFERENCE 1 (bases 1 to 20)
 AUTHORS Cohen, D., Chumakov, I. and Blumenfeld, M.
 TITLE Biallelic markers for use in constructing a high density disequilibrium map of the human genome
 JOURNAL Patent: US 6537751-A 4639 25-MAR-2003;
 FEATURES Location/Qualifiers
 source 1..20
 /organism="unknown"
 /mol_type="genomic DNA"
 Query Match 10.9%; Score 13.2; DB 1; Length 20;
 Best Local Similarity 83.3%; Pred. No. 67;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 684 CGGAGATACTGATTGCT 701
 Db 1 CTGATATACTGACTGCT 18
 RESULT 32
 AX297288 LOCUS AX297288 20 bp DNA linear PAT 21-NOV-2001
 DEFINITION Sequence 9050 from Patent WO0179548.
 ACCESSION AX297288
 VERSION AX297288.1 GI:17058979
 KEYWORDS
 SOURCE synthetic construct
 ORGANISM synthetic construct
 artificial sequences.
 REFERENCE 1
 AUTHORS Barany, F., Zirvi, M., Gerry, N.P., Favis, R. and Kliman, R.
 TITLE Method of designing addressable array for detection of nucleic acid sequence differences using ligase detection reaction
 JOURNAL Patent: WO 0179548-A 9050 25-OCT-2001;
 CORNELL RESEARCH FOUNDATION, INC. (US)
 FEATURES Location/Qualifiers
 source 1..20
 /organism="synthetic construct"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32630"
 /note="Hypothetical Probe Sequence"
 Query Match 10.9%; Score 13.2; DB 1; Length 20;
 Best Local Similarity 83.3%; Pred. No. 67;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 705 CCCGAAATGCTGTGGC 722
Db 3 CCCGAAATGCTGTAGCC 20

RESULT 33
LOCUS BD090400/c
DEFINITION A method of arraying genome clone.
ACCESSION BD090400
VERSION BD090400.1 GI:22636010
KEYWORDS JP 2001321190-A/2644.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Soeda E
TITLE A method of arraying genome clone
JOURNAL Patent: JP 2001321190-A 2644 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
GENOTECHS
COMMENT PN JP 2001321190-A/2644
PD 20-NOV-2001
PF 12-MAR-2001 JP 2001068285
PI EIICHI SOEDA
PC C12N15/09,C12N15/09,C12M1/00,C12Q1/53,G01N33/566, PC
C12N15/00,
CC Description of Artificial Sequence:Synthetic DNA FH Key
FT Location/Qualifiers
FT source 1..20
/organism='Artificial Sequence'.

FEATURES
source
Location/Qualifiers
1..20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

Query Match 10.9%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 67;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 688 AGATACTGATTGCTGTAC 705
Db 19 AGGAAGTATTGCTGTGC 2

RESULT 34
LOCUS BD176478/c
DEFINITION A method of arraying genome clone.
ACCESSION BD176478
VERSION BD176478.1 GI:29122186
KEYWORDS WO 02072815-A/278.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Soeda E
TITLE A method of arraying genome clone
JOURNAL Patent: WO 02072815-A 278 19-SEP-2002;
EIICHI SOEDA,TAKESHI KUKITA
OS Artificial Sequence
PN WO 02072815-A/278
PD 19-SEP-2002
PF 17-MAY-2001 WO 2001JP004139
PR 12-MAR-2001 JP 01P 68285
PI EIICHI SOEDA
PC C12N15/09,C12Q1/68
CC Description of Artificial Sequence: Synthetic DNA FH Key
FT Location/Qualifiers
FT source 1..20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

Query Match 10.9%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 67;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 688 AGATACTGATTGCTGTAC 705
Db 19 AGGAAGTATTGCTGTGC 2

RESULT 35
LOCUS BD181238/c
DEFINITION Gene encoding aldohexose dehydrogenase, recombinant vector having
the gene, transformant having the recombinant vector and aldohexose
dehydrogenase protein obtained from the transformant.
ACCESSION BD181238
VERSION BD181238.1 GI:30792156
KEYWORDS JP 2002330765-A/5.
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Kanetani,K. and Ebinuma,H.
TITLE Gene encoding aldohexose dehydrogenase, recombinant vector having
the gene, transformant having the recombinant vector and aldohexose
dehydrogenase protein obtained from the transformant
JOURNAL Patent: JP 2002330765-A 5 19-NOV-2002;
DAIICHI PURE CHEMICALS CO LTD
COMMENT PN JP 2002330765-A/5
PD 19-NOV-2002
PF 08-MAY-2001 JP 2001137293
PI KIMI KANETANI,HIROYUKI EBINUMA
PC C12N15/09,C12N1/15,C12N1/19,C12N1/21,C12N5/10,C12N9/04,C12N15/
00,C12N5/00
CC Nucleotide synthesized based on partial base sequence of CC
aldohexosedehydrogenase gene
FH Key Location/Qualifiers
FT source 1..20
/organism='Artificial Sequence'.

FEATURES
source
Location/Qualifiers
1..20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

Query Match 10.9%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 67;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 694 TGATTGCTGTACCCGAAA 711
Db 20 TGATTGCTGTCCGGACA 3

RESULT 36
LOCUS AX690471
DEFINITION Sequence 3203 from Patent EP1281758.
ACCESSION AX690471
VERSION AX690471.1 GI:29413352
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

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Query Match	10.6%;	Score 12.8;	DB 1;	Length 18;
Best Local Similarity	87.5%;	Pred. No. 72;		
Matches 14;	Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0;
QY	680	GCAGCGGAAGATACTG 695		
DB	17	GTAGCGGAAGTACTG 2		
RESULT 39				
AR300017				
LOCUS	AR300017	18 bp	DNA	linear
DEFINITION	Sequence 11752 from patent US 6537751.			
ACCESSION	AR300017			
VERSION	AR300017.1	GI:31687301		
KEYWORDS	Unknown.			
SOURCE	Unknown.			
ORGANISM	Unknown.			
REFERENCE	1 (bases 1 to 18)			
AUTHORS	Cohen, D., Chumakov, I. and Blumenfeld, M.			
TITLE	Allelic markers for use in constructing a high density disequilibrium map of the human genome			
JOURNAL	Patent: US 6537751-A 11752 25-MAR-2003;			
FEATURES	Location/Qualifiers			
source	1..18			
	/organism="unknown"			
	/mol_type="genomic DNA"			
Query Match	10.6%;	Score 12.8;	DB 1;	Length 18;
Best Local Similarity	87.5%;	Pred. No. 72;		
Matches 14;	Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0;
QY	687	AAGATACTGATTGCTG 702		
DB	1	AAGATACTGATAGTG 16		
RESULT 40				
AX130155/c				
LOCUS	AX130155	19 bp	DNA	linear
DEFINITION	Sequence 1373 from Patent WO0130362.			
ACCESSION	AX130155			
VERSION	AX130155.1	GI:14136460		
KEYWORDS	Unknown.			
SOURCE	Unknown.			
ORGANISM	Unknown.			
REFERENCE	1			
AUTHORS	Robbins, J.M. and Tritz, R.			
TITLE	Ribozyme therapy for the treatment of proliferative skin and eye diseases			
JOURNAL	Patent: WO 0130362-A 1373 03-MAY-2001;			
FEATURES	IMMUSOL, INC. (US)			
source	1..19			
	/organism="Homo sapiens"			
	/mol_type="unassigned DNA"			
	/db_xref="taxon:9606"			
	/note="Cdk-we-hu ribozyme binding site"			
Query Match	10.6%;	Score 12.8;	DB 1;	Length 19;
Best Local Similarity	87.5%;	Pred. No. 76;		
Matches 14;	Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0;
QY	690	ATACTGATTGCTGTAC 705		
DB	16	ATACTGATGCTTAC 1		
RESULT 41				
123858/c				

LOCUS I23858 18 bp DNA linear PAT 07-OCT-1996
DEFINITION Sequence 11 from patent US 5538892.
ACCESSION I23858
VERSION I23858.1 GI:1603728
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 18)
AUTHORS Donahoe,P.K., Gustafson,M., He,W.-W. and Wang,X.-F.
TITLE Nucleic acids encoding a TGF-beta type 1 receptor
JOURNAL Patent: US 5538892-A 11 23-JUL-1996;
FEATURES Location/Qualifiers
source
1..18
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 10.4%; Score 12.6; DB 1; Length 18;
Best Local Similarity 70.6%; Pred. No. 79;
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
QY 756 ATATGGTCAAGAGTC 772
Db 17 AYATGGCYCCAGAGTC 1
RESULT 42
LOCUS I25017 18 bp DNA linear PAT 07-OCT-1996
DEFINITION Sequence 11 from patent US 5547854.
ACCESSION I25017
VERSION I25017.1 GI:1604887
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 18)
AUTHORS Donahoe,P.K., Gustafson,M. and He,W.W.
TITLE DNA encoding a receptor for Mullerian inhibitory substance, misr1,
and corresponding vectors, cells, probes, and recombinant methods
JOURNAL Patent: US 5547854-A 11 20-AUG-1996;
FEATURES Location/Qualifiers
source
1..18
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 10.4%; Score 12.6; DB 1; Length 18;
Best Local Similarity 70.6%; Pred. No. 79;
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
QY 756 ATATGGTCAAGAGTC 772
Db 17 AYATGGCYCCAGAGTC 1
RESULT 43
LOCUS A97309 19 bp DNA linear PAT 26-JAN-2000
DEFINITION Sequence 26 from Patent WO9918197.
ACCESSION A97309
VERSION A97309.1 GI:6780682
KEYWORDS
SOURCE unidentified
ORGANISM unclassified
REFERENCE
1 (bases 1 to 19)
AUTHORS Yaspo,M. and Lehrach,H.
TITLE NUCLEIC ACID MOLECULE ENCODING A (POLY)PEPTIDE CO-SEGREGATING IN
MUTATED FORM WITH AUTOIMMUNE POLYENDOCRINOPATHY CANDIDIASIS
JOURNAL ECTODERMAL DYSTROPHY (APCED)
Patent: WO 9918197-A 26 15-APR-1999;
FEATURES MAX PLANCK GESILSCHAFT (DE); YASPO MARIE LAURE (DE)
Location/Qualifiers

source
1..19
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 84;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 714 GCTGTGGGCACTAGACC 732
Db 19 GCAGTAGGCCATCCAGAGC 1
RESULT 44
LOCUS AX131661 19 bp DNA linear PAT 15-MAY-2001
DEFINITION Sequence 2879 from Patent WO0130362.
ACCESSION AX131661
VERSION AX131661.1 GI:14137966
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE
1
AUTHORS Robbins,J.M. and Tritz,R.
TITLE Ribozyme therapy for the treatment of proliferative skin and eye
diseases
JOURNAL Patent: WO 0130362-A 2879 03-MAY-2001;
FEATURES IMMUSOL, INC. (US)
Location/Qualifiers
source
1..19
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
/note="Cyclin H ribozyme binding site"
Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 84;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 743 AGGATTATTGATATATGG 761
Db 19 AGGATTGTGGACATTAAGG 1
RESULT 45
LOCUS AX648133 19 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 15 from Patent WO02101031.
ACCESSION AX648133
VERSION AX648133.1 GI:29150953
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE
1
AUTHORS de Wasiers,I., Couteau,C., Gros,C., Moncion,A. and Beaune,P.
TITLE Cyp450-specific dna probes and primers, and biological applications
thereof
JOURNAL Patent: WO 02101031-A 15 19-DEC-2002;
FEATURES INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM)
(FR)
Location/Qualifiers
source
1..19
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 84;

Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 587 AAGTACTGATTGCTGTAC 705
 |||||
 Db 1 AAGACCTTATTGCTGTC 19

RESULT 46
 A35633
 LOCUS A35633 15 bp DNA linear PAT 02-DEC-1996
 DEFINITION Synthetic human IFN-alpha 2 gene oligo.
 ACCESSION A35633
 VERSION A35633.1 GI:1927015
 SOURCE synthetic construct
 ORGANISM synthetic construct
 REFERENCE 1 (bases 1 to 15)
 AUTHORS Camble,R. and Edge,M.D.
 TITLE Analogous interferon polypeptides, process for their preparation
 JOURNAL and pharmaceutical compositions containing them
 Patent: EP 0194006-A 78 10-SEP-1986;
 IMPERIAL CHEMICAL INDUSTRIES PLC
 FEATURES Location/Qualifiers
 source
 1..15
 /organism="synthetic construct"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32630"

Query Match 10.2%; Score 12.4; DB 1; Length 15;
 Best Local Similarity 92.9%; Pred. No. 70;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 697 TTGCTGTACCGAA 710
 |||||
 Db 2 TTGCTGTAAACCGAA 15

RESULT 47
 A35633
 LOCUS A35633 16 bp DNA linear PAT 24-NOV-2003
 DEFINITION Sequence 84 from Patent WO03057913.
 ACCESSION A35633
 VERSION A35633.1 GI:38500869
 SOURCE Numida meleagris (helmeted guineafowl)
 ORGANISM Numida meleagris
 REFERENCE 1
 AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 TITLE Archosauria; Aves; Neognathae; Galliformes; Numididae; Numida.
 JOURNAL Method for the detection and/or identification of the original
 animal species in animal matter contained in a sample
 Patent: WO 03057913-A 84 17-JUL-2003;
 BIO MERIEUX (FR)
 FEATURES Location/Qualifiers
 source
 1..16
 /organism="Numida meleagris"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9996"

Query Match 10.2%; Score 12.4; DB 1; Length 16;
 Best Local Similarity 92.9%; Pred. No. 76;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 751 TGATAATATGGTC 764
 |||||
 Db 14 TGATAATATGGTC 1

RESULT 48
 A35633
 LOCUS A35633 17 bp RNA linear PAT 17-AUG-2003

DEFINITION Sequence 4742 from patent US 6566127.
 ACCESSION AR327340
 VERSION AR327340.1 GI:33713148
 KEYWORDS Unknown.
 SOURCE Unknown.
 ORGANISM Unclassified.
 REFERENCE 1 (bases 1 to 17)
 AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
 TITLE Method and reagent for the treatment of diseases or conditions
 JOURNAL related to levels of vascular endothelial growth factor receptor
 FEATURES Patent: US 6566127-A 4742 20-MAY-2003;
 Location/Qualifiers
 source
 1..17
 /organism="unknown"
 /mol_type="unassigned RNA"

Query Match 10.2%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 81;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 755 AATATGGGTCAAGA 768
 |||||
 Db 15 AATGTTGGTCAAGA 2

RESULT 49
 A327341/c
 LOCUS AR327341 17 bp RNA linear PAT 17-AUG-2003
 DEFINITION Sequence 4743 from patent US 6566127.
 ACCESSION AR327341
 VERSION AR327341.1 GI:33713149
 KEYWORDS Unknown.
 SOURCE Unknown.
 ORGANISM Unclassified.
 REFERENCE 1 (bases 1 to 17)
 AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
 TITLE Method and reagent for the treatment of diseases or conditions
 JOURNAL related to levels of vascular endothelial growth factor receptor
 FEATURES Patent: US 6566127-A 4743 20-MAY-2003;
 Location/Qualifiers
 source
 1..17
 /organism="unknown"
 /mol_type="unassigned RNA"

Query Match 10.2%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 81;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 755 AATATGGGTCAAGA 768
 |||||
 Db 14 AATGTTGGTCAAGA 1

RESULT 50
 A327341/c
 LOCUS AR327341 17 bp DNA linear PAT 31-MAR-2003
 DEFINITION Sequence 3205 from Patent EP1281758.
 ACCESSION A327341
 VERSION A327341.1 GI:29413354
 KEYWORDS Homo sapiens (human)
 SOURCE Homo sapiens
 ORGANISM Homo sapiens
 REFERENCE 1
 AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 TITLE Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
 JOURNAL Shannon,M., Gu,Y. and Nguyen,C.T.
 FEATURES Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
 Patent: EP 1281758-A 3205 05-FEB-2003;
 Aeonica, Inc. (US)
 Location/Qualifiers

```
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match
Best Local Similarity 10.2%; Score 12.4; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 711 ATTGCTGTGGGCA 724
|||||
Db 2 ATTCTGTGGGCA 15

RESULT 51
AX725281
LOCUS AX690474 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 3206 from Patent EP1281758.
ACCESSION AX690474
VERSION AX690474.1 GI:29413355
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
JOURNAL Patent: EP 1281758-A 3206 05-FEB-2003;
Aeomica, Inc. (US)
FEATURES
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match
Best Local Similarity 10.2%; Score 12.4; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 711 ATTGCTGTGGGCA 724
|||||
Db 1 ATTCTGTGGGCA 14

RESULT 52
AX725281
LOCUS AX725281 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 2968 from Patent WO03025176.
ACCESSION AX725281
VERSION AX725281.1 GI:30504624
KEYWORDS Mus musculus (house mouse)
SOURCE Mus musculus
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025176-A 2968 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
1. .17
/organism="Mus musculus"
/mol_type="unassigned DNA"
/db_xref="taxon:10090"

Query Match
Best Local Similarity 10.2%; Score 12.4; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match
Best Local Similarity 10.2%; Score 12.4; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 715 CTGTGGCCATCTA 728
|||||
Db 4 CTGTGGCCATCTA 17

RESULT 53
AX735886
LOCUS AX735886 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 1476 from Patent WO03025177.
ACCESSION AX735886
VERSION AX735886.1 GI:30515163
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 1476 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match
Best Local Similarity 10.2%; Score 12.4; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 689 GATACGTGATTGCTG 702
|||||
Db 1 GATCCTGATTGCTG 14

RESULT 54
AX759703
LOCUS AX759703 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 3024 from Patent WO03040369.
ACCESSION AX759703
VERSION AX759703.1 GI:32254319
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 3024 15-MAY-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match
Best Local Similarity 10.2%; Score 12.4; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 655 CAGCTTTGGACAGA 668
|||||
Db 16 CAGCATTGGACAGA 3

RESULT 55
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AX761711 AX761711 17 bp DNA linear PAT 25-JUN-2003
LOCUS
DEFINITION Sequence 5032 from Patent WO03040369.
ACCESSION AX761711
VERSION AX761711.1 GI:32256327
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE Telerman, A., Amson, R. and Tuijinder, M.
AUTHORS Sequences involved in tumoral suppression, tumoral reversion,
TITLE apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 5032 15-MAY-2003;
FEATURES Molecular Engines Laboratories (FR)
source Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 81;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 738 CTTGAGGATTATT 751
Db |||||
4 CTTGAGGATTCTT 17
RESULT 56
BD254593/c
LOCUS
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD254593
VERSION BD254593.1 GI:33064363
KEYWORDS JP 2002541795-A/2386.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt, L., Zwick, M., Pavco, P. and McSwiggen, J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 2386 10-DEC-2002;
COMMENT RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
PN JP 2002541795-A/2386
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PI 12-APR-1999 US 60/129390
PT LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC
C12N15/09, A61K38/00, A61P43/00, A61P43/00, C12N5/10, PC
C12P21/02,
PC
C12P21/02, C12P21/02//A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC
C12R1:91),
PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
PC A61K37/02,
PC (C12N5/00, C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules PH
Key source Location/Qualifiers
1..17
/organism="Eukaryote".
FT source Location/Qualifiers
1..17
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 90;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 654 ACAGCTTTGGACAGAG 670
Db |||||
17 ACAGCTTTGAACAAATG 1
RESULT 57
AR188750
LOCUS
DEFINITION Sequence 4238 from patent US 6346398.
ACCESSION AR188750
VERSION AR188750.1 GI:20234715
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 4238 12-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 90;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 653 AACAGCTTTGGACAGAG 669
Db 1 AACAAATTTTGACAGAG 17
RESULT 58
AR324603
LOCUS
DEFINITION Sequence 2005 from patent US 6566127.
ACCESSION AR324603
VERSION AR324603.1 GI:33710411
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco, P., McSwiggen, J. A., Stinchcomb, D. T. and Escobedo, J.
TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 2005 20-MAY-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned RNA"
Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 90;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 653 AACAGCTTTGGACAGAG 669
Db 1 AACAAATTTTGACAGAG 17
RESULT 59
AX217033
LOCUS
DEFINITION Sequence 2475 from Patent WO0159103.
ACCESSION AX217033
VERSION AX217033.1 GI:15527094
KEYWORDS
SOURCE synthetic construct

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ORGANISM      synthetic construct
REFERENCE      1
AUTHORS        Blatt, L., McSwiggen, J., and Chowrira, B.M.
TITLE          Method and reagent for the modulation and diagnosis of cd20 and
              nco gene expression
JOURNAL        Patent: WO 0159103-A 2475 16-AUG-2001;
              RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
              McSwiggen, James (US); Chowrira, Bharat M. (US)
FEATURES
  source
    1..17
      /organism="synthetic construct"
      /mol_type="unassigned RNA"
      /db_xref="taxon:32630"
      /note="Nucleic Acid"

  Query Match
    Best Local Similarity 10.1%; Score 12.2; DB 1; Length 17;
    Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

  QY 678 TTGACGCGGAAGTACT 694
      |||||
  Db 1 TTGCACTGGAAGTCTCT 17

  RESULT 60
  AX648592/c
  LOCUS      AX648592      17 bp      DNA      linear      PAT 22-MAR-2003
  DEFINITION Sequence 432 from Patent EP1273660.
  ACCESSION  AX648592
  VERSION     AX648592.1 GI:29151410
  KEYWORDS
  SOURCE      Homo sapiens (human)
  ORGANISM    Homo sapiens
              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.

  REFERENCE
  1
  AUTHORS     Gu, Y.
  TITLE       Human sodium-hydrogen exchanger like protein 1
  JOURNAL     Patent: EP 1273660-A 432 08-JAN-2003;
              Aeomica, Inc. (US)
  FEATURES
    source
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        /organism="Homo sapiens"
        /mol_type="unassigned DNA"
        /db_xref="taxon:9606"

    Query Match
      Best Local Similarity 10.1%; Score 12.2; DB 1; Length 17;
      Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

    QY 738 CCTTGATGAGGATTGAT 754
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    Db 17 CCTTGATGAGGATTGAT 1

  RESULT 61
  AX745075
  LOCUS      AX745075      17 bp      DNA      linear      PAT 14-MAY-2003
  DEFINITION Sequence 1040 from Patent WO03031621.
  ACCESSION  AX745075
  VERSION     AX745075.1 GI:30723742
  KEYWORDS
  SOURCE      Homo sapiens (human)
  ORGANISM    Homo sapiens
              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.

  REFERENCE
  1
  AUTHORS     Zhang, J.
  TITLE       A human G protein coupled receptor
  JOURNAL     Patent: WO 03031621-A 1040 17-APR-2003;
              Amersham Biosciences (SV) Corp. (US)
  FEATURES
    source
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        /organism="unknown"
        /mol_type="genomic DNA"

    Query Match
      Best Local Similarity 10.1%; Score 12.2; DB 1; Length 18;
      Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

    QY 652 GAACAGCTTTGGACAGA 668
        |||||
    Db 18 GAACAGCTTTGGTAAGA 2

  ORGANISM      Homo sapiens
  REFERENCE      1
  AUTHORS        Cohen, D., Chumakov, I., and Blumenfeld, M.
  TITLE          Biallelic markers for use in constructing a high density
  JOURNAL        disequilibrium map of the human genome
  FEATURES
    source
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        /organism="unknown"
        /mol_type="genomic DNA"

    Query Match
      Best Local Similarity 10.1%; Score 12.2; DB 1; Length 18;
      Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

    QY 652 GAACAGCTTTGGACAGA 668
        |||||
    Db 18 GAACAGCTTTGGTAAGA 2

  ORGANISM      Homo sapiens
  REFERENCE      1
  AUTHORS        Zhang, J.
  TITLE          A human G protein coupled receptor
  JOURNAL        Patent: WO 03031621-A 1041 17-APR-2003;
              Amersham Biosciences (SV) Corp. (US)
  FEATURES
    source
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        /mol_type="genomic DNA"
        /db_xref="taxon:9606"

    Query Match
      Best Local Similarity 10.1%; Score 12.2; DB 1; Length 17;
      Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

    QY 744 GGATTATTGATATATG 760
        |||||
    Db 1 GTATTATTGTTATTATG 17

  RESULT 63
  AR294175/c
  LOCUS      AR294175      18 bp      DNA      linear      PAT 12-JUN-2003
  DEFINITION Sequence 5910 from patent US 6537751.
  ACCESSION  AR294175
  VERSION     AR294175.1 GI:31681459
  KEYWORDS
  SOURCE      Unknown.
  ORGANISM    Unclassified.

  REFERENCE
  1 (bases 1 to 18)
  AUTHORS     Cohen, D., Chumakov, I., and Blumenfeld, M.
  TITLE       Biallelic markers for use in constructing a high density
  JOURNAL     disequilibrium map of the human genome
  FEATURES
    source
      1..18
        /organism="unknown"
        /mol_type="genomic DNA"

    Query Match
      Best Local Similarity 10.1%; Score 12.2; DB 1; Length 18;
      Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

    QY 652 GAACAGCTTTGGACAGA 668
        |||||
    Db 18 GAACAGCTTTGGTAAGA 2

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RESULT 64
AX244247
LOCUS AX244247 18 bp DNA linear PAT 28-SEP-2001
DEFINITION Sequence 9 from Patent WO016569.
ACCESSION AX244247
VERSION AX244247.1 GI:15859295
KEYWORDS
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE
AUTHORS Melvin,W.T., Breeman,S. and Labus,M.B.
TITLE Viral antigen and vaccine against isav (infectious salmon anaemia
JOURNAL virus)
The University Court of The University of Aberdeen (GB)
FEATURES
source
1..18
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"
Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 64.7%; Pred. No. 96;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 662 GGACAGAGGGTTTACTT 678
|||||:|||||
Db 1 GGNCARAGRGTTAYAT 17

RESULT 65
AX358005/c
LOCUS AX358005 18 bp DNA linear PAT 13-FEB-2002
DEFINITION Sequence 51 from Patent WO0194413.
ACCESSION AX358005
VERSION AX358005.1 GI:18674776
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
AUTHORS Mikesell,G.E., Chang,H., Finger,J.N., Yang,G., Lu,P., Zhou,X.D. and
TITLE B7-related nucleic acids and polypeptides and their uses for
immunomodulation
JOURNAL Patent: WO 0194413-A 51 13-DEC-2001;
Bristol-Myers Squibb Company (US)
FEATURES
source
1..18
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"
Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 96;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 721 GCCATCTAGACCTTTTA 737
|||||:|||||
Db 18 GCCCTCTGGACCTTTCA 2

RESULT 66
BD088214
LOCUS BD088214 18 bp DNA linear PAT 27-AUG-2002
DEFINITION A method of arraying genome clone.
ACCESSION BD088214
VERSION BD088214.1 GI:22633824
KEYWORDS
JP 2001321190-A/458.

```

```

SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
AUTHORS Soeda,E.
TITLE A method of arraying genome clone
JOURNAL Patent: JP 2001321190-A 458 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
GENOTECHS
COMMENT
OS Artificial Sequence
PN JP 2001321190-A/458
PD 20-NOV-2001
PF 12-MAR-2001 JP 2001068285
PI ETICHI SOEDA
PC C12N15/09,C12N15/09,C12M1/00,C12Q1/68,G01N33/53,G01N33/566, PC
C12N15/00,
PC C12N15/00
CC Description of Artificial Sequence:Synthetic DNA FH Key
FT source
1..18
Location/Qualifiers
FEATURES
source
1..18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 96;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 660 TTGCAGAGGGTTTAC 676
|||||:|||||
Db 2 TTGCCAGAGGGTCCAC 18

RESULT 67
BD135847/c
LOCUS BD135847 18 bp DNA linear PAT 18-SEP-2002
DEFINITION Selective regulation of adenovirus production.
ACCESSION BD135847
VERSION BD135847.1 GI:23230792
KEYWORDS JP 2002506355-A/18.
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
AUTHORS Hearing,P., Schmid,S.I., Ostapchuk,P.H. and Erturk,E.
TITLE Selective regulation of adenovirus production
JOURNAL Patent: JP 2002506355-A 18 26-FEB-2002;
THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK
COMMENT
OS Artificial Sequence
PN JP 2002506355-A/18
PD 26-FEB-2002
PF 15-APR-1999 JP 199552110
PR 15-APR-1998 US 60/081867,05-JUN-1998 US 60/088321 PI
PATRICK HEARING,SUSANNE I SCHMID,PHILONIENA H OSTAPCHUK,ECE PI
ERTURK
PC C12N15/86
CC XHO/SAL LINKERS
FH Key Location/Qualifiers
FT source
1..18
/organism="Artificial Sequence".
Location/Qualifiers
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source
1..18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 96;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 745 GATTATTGATATATGG 761
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Db 18 GATTATTGATGATGCG 2

BD226541 18 bp DNA linear PAT 17-JUL-2003
Method and probes for the detection of chromosome aberrations.
BD226541
BD226541.1 GI:33036311
JP 2002513587-A/87.
synthetic construct
synthetic construct
artificial sequences.
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

OS Artificial Sequence
PN JP 2002513587-A/87
PD 14-MAY-2002
PE 04-MAY-1999 JP 2000547260
PR 04-MAY-1998 DK 0615/98
PI JACOBUS JOHANNES MARIA VAN DONGEN, KARL JOHAN PLUZEK, KIRSTEN PI
PI VANG NIELSEN,
PI KIM ADELHORST
PC C12N15/09, C07H21/00, C12Q1/68, G01N33/53, G01N33/566, C12N15/00 CC
Description of Artificial Sequence: PNA probe, chromosome 17 FH
Key Location/Qualifiers
FT source 1..18
FT /organism='Artificial Sequence'.
FEATURES
source Location/Qualifiers
1..18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 96;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 720 GGCCATCTAGACCTTTT 736
|||||
Db 18 GGACATGTAGACCTCTT 2

AB069059 18 bp DNA linear SYN 21-MAY-2003
Synthetic construct DNA, reverse primer for human STS sts-R35584 at
1p36.
ACCESSION
AB069059
AB069059.1 GI:15129863
synthetic construct
synthetic construct
artificial sequences.
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
MEDLINE
PUBMED
AUTHORS
TITLE
JOURNAL

Chen, Y. Z., Hayashi, Y., Wu, J. G., Takaoka, E., Maekawa, K.,
Watanabe, N., Inazawa, J., Hosoda, F., Arai, Y., Mizushima, H.,
Morishashi, A., Ohira, M., Nakagawara, A., Liu, S., Hoshi, M., Horii, A.
and Soeda, E.
A BAC-based STS-content map spanning a 35-Mb region of human
chromosome 1p35-p36
Genomics 74 (1), 55-70 (2001)
21269192
11374902
2 (bases 1 to 18)
Horii, A.
Direct Submission
Submitted (04-AUG-2001) Akira Horii, Tohoku University School of

Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Sendai,
Miyagi 980-8575, Japan (E-mail: horii@mail.cc.tohoku.ac.jp,
Tel: 81-22-717-8042, Fax: 81-22-717-8047)

FEATURES
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1..18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

misc_feature 1..18
/notes="reverse primer for human STS sts-R35584 at 1p36
sts-R35584 obtained from clones B26H16, B30F6, B34E23,
B156L20, B168P1, B355G13, B171H23, Human BAC library
RPC1-11"

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 96;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 660 TTGCACAGAGGTTTAC 676
|||||
Db 2 TTGCCACAGAGGTTCCAC 18

RESULT 70
AX732618/c
LOCUS AX732618 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 4252 from Patent WO03025175.
ACCESSION AX732618
VERSION AX732618.1 GI:30511961
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
TITLE
JOURNAL
Molecular Engines Laboratories (FR)
Patent: WO 03025175-A 4252 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 9.9%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 686 GAAGATACTGAT 697
|||||
Db 13 GAAGATACTGAT 2

RESULT 71
AX326908/c
LOCUS AX326908 18 bp DNA linear PAT 07-JAN-2002
DEFINITION Sequence 104 from Patent WO0178894.
ACCESSION AX326908
VERSION AX326908.1 GI:18097619
KEYWORDS
SOURCE synthetic construct
synthetic construct
artificial sequences.
ORGANISM
REFERENCE
1
AUTHORS
TITLE
JOURNAL
Genome Therapeutics Corp. (US)
Patent: WO 0178894-A 104 25-OCT-2001;
Genome Therapeutics Corp. (US)
FEATURES
source Location/Qualifiers
1
Keith, T.
Novel human gene relating to respiratory diseases, obesity, and
inflammatory bowel disease
Patent: WO 0178894-A 104 25-OCT-2001;
Genome Therapeutics Corp. (US)

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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"

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Best Local Similarity 9.9%; Score 12; DB 1; Length 18;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TGTGGGCCATCT 727
Db 14 TGTGGGCCATCT 3

RESULT 72
AX326950 AX326950 18 bp DNA linear PAT 07-JAN-2002
LOCUS Sequence 146 from Patent WO0178894.
DEFINITION AX326950
ACCESSION AX326950.1 GI:18097661
VERSION
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
          artificial sequences.
REFERENCE
AUTHORS Keith,T.
TITLE Novel human gene relating to respiratory diseases, obesity, and
          inflammatory bowel disease
JOURNAL Patent: WO 0178894-A 146 25-OCT-2001;
          Genome Therapeutics Corp. (US)
FEATURES
source
          Location/Qualifiers
1. .18
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"

Query Match
Best Local Similarity 9.9%; Score 12; DB 1; Length 18;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TGTGGGCCATCT 727
Db 4 TGTGGGCCATCT 15

RESULT 73
AR133302/c AR133302 15 bp DNA linear PAT 16-MAY-2001
LOCUS Sequence 1727 from patent US 6194150.
DEFINITION AR133302
ACCESSION AR133302
VERSION AR133302.1 GI:14122207
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
          Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 1727 27-FEB-2001;
FEATURES
source
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1. .15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match
Best Local Similarity 9.8%; Score 11.8; DB 1; Length 15;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATTCAT 754
Db 15 TGGAGGATTATTCAT 1

RESULT 74
AR040355 AR040355 17 bp DNA linear PAT 29-SEP-1999
LOCUS Sequence 1203 from patent US 5807743.
DEFINITION AR040355
ACCESSION AR040355
VERSION AR040355.1 GI:5959718
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
          Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Stinchcomb,D.T. and McSwiggen,J.A.
TITLE Interleukin-2 receptor gamma-chain ribozymes
JOURNAL Patent: US 5807743-A 1203 15-SEP-1998;
FEATURES
source
          Location/Qualifiers
1. .17
/organism="unknown"
/mol_type="unassigned DNA"

Query Match
Best Local Similarity 9.8%; Score 11.8; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 677 TTTCGACGGAGAT 691
Db 2 TTTCGACGGAGAT 16

RESULT 75
AR072159/c AR072159 17 bp DNA linear PAT 18-FEB-2000
LOCUS Sequence 11 from patent US 5912414.
DEFINITION AR072159
ACCESSION AR072159
VERSION AR072159.1 GI:7223047
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
          Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Falco,S.Carl., Guida,A.Dominick, Jr. and
          Locke,M.Elizabeth.Hartnett.
TITLE Nucleic acid fragments, chimeric genes and methods for increasing
          the methionine content of the seeds of plants
JOURNAL Patent: US 5912414-A 11 15-JUN-1999;
FEATURES
source
          Location/Qualifiers
1. .17
/organism="unknown"
/mol_type="unassigned DNA"

Query Match
Best Local Similarity 9.8%; Score 11.8; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 707 CGAAATGCTGTGGG 721
Db 15 CGCAATGCTGTGGG 1

RESULT 76
I27067 I27067 17 bp DNA linear PAT 06-FEB-1997
LOCUS Sequence 9 from patent US 5563045.
DEFINITION I27067
ACCESSION I27067
VERSION I27067.1 GI:1817843
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
          Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pittman,D., Rehemtulla,A., Wozney,J.M. and Kaufman,R.J.
TITLE Chimeric procoagulant proteins
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JOURNAL Patent: US 5563045-A 9 08-OCT-1996;
FEATURES Location/Qualifiers
SOURCE 1..17
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 1.1e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 674 TACTTTGACGGGAAGA 690
DB 1 TAYATEGCGCGARGA 17

RESULT 77
LOCUS AR190103 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 5591 from patent US 6346398.
ACCESSION AR190103
VERSION AR190103.1 GI:20236068
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 5591 12-FEB-2002;
FEATURES Location/Qualifiers
SOURCE 1..17
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/mol_type="unassigned DNA"

Query Match 9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 705 CCGGAAATTCCTGTG 719
DB 1 CCTGAAATTAATCTGTG 15

RESULT 78
LOCUS AR325079 17 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 2481 from patent US 6566127.
ACCESSION AR325079
VERSION AR325079.1 GI:33710887
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 2481 20-MAY-2003;
FEATURES Location/Qualifiers
SOURCE 1..17
/organism="unknown"
/mol_type="unassigned RNA"

Query Match 9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 705 CCGGAAATTCCTGTG 719
DB 1 CCTGAAATTAATCTGTG 15

RESULT 79
LOCUS AX578297/c 17 bp RNA linear PAT 10-JAN-2003
DEFINITION Sequence 135 from Patent WO0211674.
ACCESSION AX578297
VERSION AX578297.1 GI:27647499
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Thompson,J., McSwiggen,J., McKenzie,T., Ayers,D., Szymkowski,D.E.
and Grupe,A.
TITLE Method and reagent for the inhibition of calcium activated chloride
channel-1 (Clca-1)
JOURNAL Patent: WO 0211674-A 135 14-FEB-2002;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Syntex (U.S.A.) LLC (US) ;
Thompson, James (US)
FEATURES Location/Qualifiers
SOURCE 1..17
/organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"

Query Match 9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 735 TTACTTGGAGGATTA 749
DB 16 TTACTTGGAGGATTA 2

RESULT 80
LOCUS AX578848/c 17 bp RNA linear PAT 10-JAN-2003
DEFINITION Sequence 686 from Patent WO0211674.
ACCESSION AX578848
VERSION AX578848.1 GI:27648050
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Thompson,J., McSwiggen,J., McKenzie,T., Ayers,D., Szymkowski,D.E.
and Grupe,A.
TITLE Method and reagent for the inhibition of calcium activated chloride
channel-1 (Clca-1)
JOURNAL Patent: WO 0211674-A 686 14-FEB-2002;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Syntex (U.S.A.) LLC (US) ;
Thompson, James (US)
FEATURES Location/Qualifiers
SOURCE 1..17
/organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"

Query Match 9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 735 TTACTTGGAGGATTA 749
DB 17 TTACTTGGAGGATTA 3

RESULT 81
LOCUS AX578849/c 17 bp RNA linear PAT 10-JAN-2003
DEFINITION Sequence 687 from Patent WO0211674.
ACCESSION AX578849

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source
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match
Best Local Similarity 9.8%; Score 11.8; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 724 ATCTAGACCTTTTAC 738
Db 2 ATCTAGACCTTTTAC 16

RESULT 86
AX733848/c
LOCUS AX733848 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 5482 from Patent WO03025175.
ACCESSION AX733848
VERSION AX733848.1 GI:30513191
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 5482 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
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/db_xref="taxon:9606"

Query Match
Best Local Similarity 9.8%; Score 11.8; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 733 TTTTACCTTCAGGAT 747
Db 16 TTTCACCTTCAGGAT 2

RESULT 87
AX734679
LOCUS AX734679 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 269 from Patent WO03025177.
ACCESSION AX734679
VERSION AX734679.1 GI:30513956
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 269 27-MAR-2003;
Molecular Engines Laboratories (FR)
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/db_xref="taxon:9606"

Query Match
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Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 733 TTTTACCTTCAGGAT 747
Db 16 TTTCACCTTCAGGAT 2

RESULT 88
AX737275/c
LOCUS AX737275 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 2865 from Patent WO03025177.
ACCESSION AX737275
VERSION AX737275.1 GI:30516563
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 2865 27-MAR-2003;
Molecular Engines Laboratories (FR)
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match
Best Local Similarity 9.8%; Score 11.8; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 729 GACCTTTTACCTTGA 743
Db 1 GATCTTTTACCTTGA 15

RESULT 89
AX738106/c
LOCUS AX738106 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 3696 from Patent WO03025177.
ACCESSION AX738106
VERSION AX738106.1 GI:30517394
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 3696 27-MAR-2003;
Molecular Engines Laboratories (FR)
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/db_xref="taxon:9606"

Query Match
Best Local Similarity 9.8%; Score 11.8; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 733 TTTTACCTTCAGGAT 747
Db 16 TTTCACCTTCAGGAT 2

RESULT 90
AX738106/c
LOCUS AX738106 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 3696 from Patent WO03025177.
ACCESSION AX738106
VERSION AX738106.1 GI:30517394
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 3696 27-MAR-2003;
Molecular Engines Laboratories (FR)
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match
Best Local Similarity 9.8%; Score 11.8; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 733 TTTTACCTTCAGGAT 747
Db 16 TTTCACCTTCAGGAT 2

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RESULT 90
AX745077  AX745077  17 bp  DNA  linear  PAT 14-MAY-2003
LOCUS      Sequence 1042 from Patent WO03031621.
DEFINITION
ACCESSION  AX745077
VERSION     AX745077.1  GI:30723744
KEYWORDS    Homo sapiens (human)
SOURCE      Homo sapiens
ORGANISM    Homo sapiens
REFERENCE   1
AUTHORS     Zhang, J.
TITLE       A human G protein coupled receptor
JOURNAL     Patent: WO 03031621-A 1042 17-APR-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES    Location/Qualifiers
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               /mol_type="genomic DNA"
               /db_xref="taxon:9606"

Query Match      9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATG 760
Db 2 ATTATTGTTATTG 16

RESULT 91
AX745078  AX745078  17 bp  DNA  linear  PAT 14-MAY-2003
LOCUS      Sequence 1043 from Patent WO03031621.
DEFINITION
ACCESSION  AX745078
VERSION     AX745078.1  GI:30723745
KEYWORDS    Homo sapiens (human)
SOURCE      Homo sapiens
ORGANISM    Homo sapiens
REFERENCE   1
AUTHORS     Zhang, J.
TITLE       A human G protein coupled receptor
JOURNAL     Patent: WO 03031621-A 1043 17-APR-2003;
            Amersham Biosciences (SV) Corp. (US)
FEATURES    Location/Qualifiers
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               /mol_type="genomic DNA"
               /db_xref="taxon:9606"

Query Match      9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATG 760
Db 1 ATTATTGTTATTG 15

RESULT 92
AX746368  AX746368  17 bp  DNA  linear  PAT 13-JUN-2003
LOCUS      Sequence 9 from Patent EP1308515.
DEFINITION
ACCESSION  AX746368
VERSION     AX746368.1  GI:31746302
KEYWORDS    synthetic construct
SOURCE      synthetic construct
ORGANISM    artificial sequences.
REFERENCE   1

Pittman, D., Rehmtulla, A., Wozney, J.M. and Kaufman, R.J.
TITLE       Porcine factor VIII
JOURNAL     Patent: EP 1308515-A 9 07-MAY-2003;
            Genetics Institute, LLC (US)
FEATURES    Location/Qualifiers
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               /mol_type="genomic DNA"
               /db_xref="taxon:32630"
               /note="human/porcine chimeric factor VIII"

Query Match      9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 1.1e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 674 TACTTTGCAGCGAAGA 690
Db 1 TAYATEGCNGCNGARGA 17

RESULT 93
AX756699/c  AX756699  17 bp  DNA  linear  PAT 25-JUN-2003
LOCUS      Sequence 20 from Patent WO03040369.
DEFINITION
ACCESSION  AX756699
VERSION     AX756699.1  GI:32251253
KEYWORDS    Homo sapiens (human)
SOURCE      Homo sapiens
ORGANISM    Homo sapiens
REFERENCE   1
AUTHORS     Telesman, A., Anson, R. and Tuijnder, M.
TITLE       Sequences involved in tumoral suppression, tumoral reversion,
            apoptosis and/or viral resistance phenomena and their use as
            medicines
JOURNAL     Patent: WO 03040369-A 20 15-MAY-2003;
            Molecular Engines Laboratories (FR)
FEATURES    Location/Qualifiers
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               /organism="Homo sapiens"
               /mol_type="unassigned DNA"
               /db_xref="taxon:9606"

Query Match      9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 677 TTTGCAGCGGAGAGAT 691
Db 16 TTACGACAGGAGAGAT 2

RESULT 94
AX761353  AX761353  17 bp  DNA  linear  PAT 25-JUN-2003
LOCUS      Sequence 4674 from Patent WO03040369.
DEFINITION
ACCESSION  AX761353
VERSION     AX761353.1  GI:32255969
KEYWORDS    Homo sapiens (human)
SOURCE      Homo sapiens
ORGANISM    Homo sapiens
REFERENCE   1
AUTHORS     Telesman, A., Anson, R. and Tuijnder, M.
TITLE       Sequences involved in tumoral suppression, tumoral reversion,
            apoptosis and/or viral resistance phenomena and their use as
            medicines
JOURNAL     Patent: WO 03040369-A 4674 15-MAY-2003;
            Molecular Engines Laboratories (FR)
FEATURES    Location/Qualifiers
             source
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Query Match
Best Local Similarity 9.8%; Score 11.8; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 703 TACCGAAATGCTG 717
Db 3 TCCCGAAATGCTG 17

/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

LOCUS AX762798 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 6119 from Patent WO03040369.
ACCESSION AX762798
VERSION AX762798.1 GI:32257414
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
REFERENCE
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 6119 15-MAY-2003;
Molecular Engines Laboratories (FR)
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Query Match
Best Local Similarity 9.8%; Score 11.8; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 733 TTTTACCTTGAGCAT 747
Db 16 TTTTACCTTGAGCAT 2

/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

LOCUS AX776102 17 bp DNA linear PAT 14-JUL-2003
DEFINITION Sequence 52 from Patent EP1319721.
ACCESSION AX776102
VERSION AX776102.1 GI:32693807
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE
AUTHORS Moriya,S., Ichihara,T., Suzuki,O., Urano,A. and Abe,S.
TITLE Method for determining chum salmon haplotype using mitochondrial
dna
JOURNAL Patent: EP 1319721-A 52 18-JUN-2003;
NISHINBO INDUSTRIES, INC. (JP)
FEATURES
source
1. .17
/organism="synthetic construct"
/mol_type="unassigned DNA"
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/notes="capture"

Query Match
Best Local Similarity 9.8%; Score 11.8; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 740 TTGAGGATTATTCAT 754
Db 17 TGGAGGTTTATTCAT 3

/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

LOCUS BD266291 18 bp DNA linear PAT 17-JUL-2003
DEFINITION Universal arrays.
ACCESSION BD266291
VERSION BD266291.1 GI:33076059
KEYWORDS JP 2002539849-A/291.
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE
AUTHORS Pan,J.B., Hirschhorn,J.N., Huang,X., Kaplan,P., Lander,E.S.,
Lockhart,D.J., Ryder,T. and Sklar,P.
TITLE Universal arrays
JOURNAL WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH, AFFYMETRIX INC
COMMENT OS Artificial Sequence
PN JP 2002539849-A/291
PD 26-NOV-2002
PF 27-MAR-2000 JP 2000508794
PR 26-MAR-1999 US 60/126473, 23-JUN-1999 US 60/140359 PI
JIAN BING FAN, JOEL N HIRSCHHORN, XIAOHUA
HUANG, PAUL KAPLAN, ERIC
PI S LANDER,
PI DAVID J LOCKHART, THOMAS RYDER, PAMELA SKLAR
PC C1201/68, C12N15/00, C12N15/09, C12N15/09, C12N15/09, G01N33/53, PC
G01N33/566,
PC G01N37/00, C12N15/00, C12N15/00, C12N15/00
CC Primer
FH Key
FT source
Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"

Query Match
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Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 709 AAATTGCTGTGGCC 723
Db 18 AAGTTGCTGTGGCC 4

/organism="synthetic construct"
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/db_xref="taxon:32630"

LOCUS AR299605 18 bp DNA linear PAT 12-JUN-2003
DEFINITION Sequence 11340 from patent US 6537751.
ACCESSION AR299605
VERSION AR299605.1 GI:31686889
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
AUTHORS Cohen,D., Chumakov,I. and Blumenfeld,M.
TITLE Biallelic markers for use in constructing a high density
disequilibrium map of the human genome
JOURNAL Patent: US 6537751-A 11340 25-MAR-2003;
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/organism="unknown"
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Query Match
Best Local Similarity 9.8%; Score 11.8; DB 1; Length 18;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Best Local Similarity 86.7%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 685 GGAAGACTACTGATTG 699
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Db 17 GGAACATCTGATTG 3

RESULT 99
AR299619/c
LOCUS AR299619 18 bp DNA
DEFINITION Sequence 11354 from patent US 6537751.
ACCESSION AR299619
VERSION AR299619.1 GI:31686903
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Cohen, D., Chumakov, I. and Blumenfeld, M.
TITLE Biallelic markers for use in constructing a high density
JOURNAL disequilibrium map of the human genome
FEATURES
Location/Qualifiers
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/organism="unknown"
/mol_type="genomic DNA"

Query Match 9.8%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 657 GCTTTGGACAGAGGG 671
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Db 15 GCTTTGGACAGAGG 1

RESULT 100
AR373429/c
LOCUS AR373429 18 bp DNA
DEFINITION Sequence 6 from patent US 6602712.
ACCESSION AR373429
VERSION AR373429.1 GI:40075557
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Handelsman, J. and Klimowicz, A. K.
TITLE Enterotoxin-deficient bacillus
JOURNAL Patent: US 6602712-A 6 US-AUG-2003;
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Query Match 9.8%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 680 GCAGCGGAAGACT 694
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Db 18 GCAGCGGAAGACT 4

RESULT 101
AX358029
LOCUS AX358029 18 bp DNA
DEFINITION Sequence 75 from Patent WO0194413.
ACCESSION AX358029
VERSION AX358029.1 GI:18674800
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Kaemper, J. and Schreier, P.
TITLE Method of production of deletion mutants
JOURNAL Patent: EP 1279741-A 9 29-JAN-2003;
Bayer CropScience AG (DE)

Best Local Similarity 86.7%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 685 GGAAGACTACTGATTG 699
|||||
Db 17 GGAACATCTGATTG 3

RESULT 99
AR299619/c
LOCUS AR299619 18 bp DNA
DEFINITION Sequence 11354 from patent US 6537751.
ACCESSION AR299619
VERSION AR299619.1 GI:31686903
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Cohen, D., Chumakov, I. and Blumenfeld, M.
TITLE Biallelic markers for use in constructing a high density
JOURNAL disequilibrium map of the human genome
FEATURES
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Query Match 9.8%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 657 GCTTTGGACAGAGGG 671
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RESULT 100
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DEFINITION Sequence 6 from patent US 6602712.
ACCESSION AR373429
VERSION AR373429.1 GI:40075557
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Handelsman, J. and Klimowicz, A. K.
TITLE Enterotoxin-deficient bacillus
JOURNAL Patent: US 6602712-A 6 US-AUG-2003;
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Query Match 9.8%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 680 GCAGCGGAAGACT 694
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Db 18 GCAGCGGAAGACT 4

RESULT 101
AX358029
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DEFINITION Sequence 75 from Patent WO0194413.
ACCESSION AX358029
VERSION AX358029.1 GI:18674800
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Kaemper, J. and Schreier, P.
TITLE Method of production of deletion mutants
JOURNAL Patent: EP 1279741-A 9 29-JAN-2003;
Bayer CropScience AG (DE)

ORGANISM synthetic construct
artificial sequences.
REFERENCE
AUTHORS Mikesell, G.E., Chang, H., Finger, J.N., Yang, G., Lu, P., Zhou, X.D. and
Peach, R.
TITLE B7-related nucleic acids and polypeptides and their uses for
immunomodulation
JOURNAL Patent: WO 0194413-A 75 13-DEC-2001;
Bristol-Myers Squibb Company (US)
FEATURES
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/notes="Primer"

Query Match 9.8%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 703 TACCCGGAATTGCTG 717
|||||
Db 4 TATCTGAATTGCTG 18

RESULT 102
AX379357
LOCUS AX379357 13 bp DNA
DEFINITION Sequence 16 from Patent WO0198482.
ACCESSION AX379357
VERSION AX379357.1 GI:19575197
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Miao, C.H. and Kay, M.A.
TITLE Liver-specific gene expression cassettes, and methods of use
JOURNAL Patent: WO 0198482-A 16 27-DEC-2001;
The Board of Trustees of The Leland Stanford Junior University (US)
; The University of Washington (US)
FEATURES
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/notes="HNF-6 Alternative Hepatic Nuclear Binding Site
Consensus Sequence"

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 96;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
|||||
Db 1 ATTATTGATAAAA 13

RESULT 103
AX682962/c
LOCUS AX682962 13 bp DNA
DEFINITION Sequence 9 from Patent EP1279741.
ACCESSION AX682962
VERSION AX682962.1 GI:29370041
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Kaemper, J. and Schreier, P.
TITLE Method of production of deletion mutants
JOURNAL Patent: EP 1279741-A 9 29-JAN-2003;
Bayer CropScience AG (DE)

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      /db_xref="taxon:32630"
      /note="Sfil-a (pBS-hhn)"
  Query Match
    Best Local Similarity 9.4%; Score 11.4; DB 1; Length 13;
    Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
  QY 720 GGCCATCTAGACC 732
  Db 13 GGCCATCTAGGCC 1
  RESULT 104
  LOCUS AX683746/c 13 bp DNA linear PAT 29-MAR-2003
  DEFINITION Sequence 9 from Patent WO03006663.
  ACCESSION AX683746
  VERSION AX683746.1 GI:29370776
  KEYWORDS
    synthetic construct
    synthetic construct
    artificial sequences.
  SOURCE
    Kaemper,J. and Schreier,P.
    Method for producing deletion mutants
    Patent: WO 03006663-A 9 23-JAN-2003;
    Bayer Aktiengesellschaft (DE)
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        /organism="synthetic construct"
        /mol_type="unassigned DNA"
        /db_xref="taxon:32630"
        /note="Sfil-a (pBS-hhn)"
  Query Match
    Best Local Similarity 9.4%; Score 11.4; DB 1; Length 13;
    Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
  QY 720 GGCCATCTAGACC 732
  Db 13 GGCCATCTAGGCC 1
  RESULT 105
  LOCUS A12736 15 bp DNA linear PAT 29-SEP-1994
  DEFINITION Oligonucleotide.
  ACCESSION A12736
  VERSION A12736.1 GI:640600
  KEYWORDS
    synthetic construct
    synthetic construct
    artificial sequences.
  SOURCE
    1 (bases 1 to 15)
  ORGANISM
    PRODUCTION OF HUMAN SOMATOMEDIN C
  REFERENCE
    AUTHORS
    TITLE
    JOURNAL
    PATENT: WO 8605810-A 15 09-OCT-1986;
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  QY 664 ACAGAGGGTTTAC 676
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  Db 664 ACAGAGGGTTTAC 676
    |||||
  RESULT 106
  LOCUS ARI33301/c 15 bp DNA linear PAT 16-MAY-2001
  DEFINITION Sequence 1726 from patent US 6194150.
  ACCESSION ARI33301
  VERSION ARI33301.1 GI:14122206
  KEYWORDS
    Unknown.
  SOURCE
    Unknown.
  ORGANISM
    Unclassified.
  REFERENCE
    1 (bases 1 to 15)
  AUTHORS
    Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
  TITLE
    Nucleic acid based inhibition of CD40
  JOURNAL
    Patent: US 6194150-A 1726 27-FEB-2001;
  FEATURES
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        /mol_type="unassigned DNA"
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    Best Local Similarity 9.4%; Score 11.4; DB 1; Length 15;
    Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
  QY 742 GAGGATTATTGAT 754
    |||||
  Db 14 GAGGATAATTGAT 2
  RESULT 107
  LOCUS ARI33654/c 15 bp DNA linear PAT 16-MAY-2001
  DEFINITION Sequence 2079 from patent US 6194150.
  ACCESSION ARI33654
  VERSION ARI33654.1 GI:14122559
  KEYWORDS
    Unknown.
  SOURCE
    Unknown.
  ORGANISM
    Unclassified.
  REFERENCE
    1 (bases 1 to 15)
  AUTHORS
    Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
  TITLE
    Nucleic acid based inhibition of CD40
  JOURNAL
    Patent: US 6194150-A 2079 27-FEB-2001;
  FEATURES
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        /organism="unknown"
        /mol_type="unassigned DNA"
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    Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
  QY 698 TGCTGTACCCGAA 710
    |||||
  Db 13 TGCTGGACCCGAA 1
  RESULT 108
  LOCUS IO5201 15 bp DNA linear PAT 02-DEC-1994
  DEFINITION Sequence 2 from Patent EP 0248227.
  ACCESSION IO5201
  VERSION IO5201.1 GI:591207
  KEYWORDS
    Unknown.
  SOURCE
    Unknown.
  ORGANISM
    Unclassified.
  REFERENCE
    1 (bases 1 to 15)
  AUTHORS
    Hagenson,M.J. and Stroman,D.W.
  TITLE
    Yeast production of streptokinase
  JOURNAL
    Patent: EP 0248227-A1 2 09-DEC-1987;
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FEATURES             Location/Qualifiers
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                    /mol_type="unassigned DNA"

  Query Match       9.4%; Score 11.4; DB 1; Length 15;
  Best Local Similarity 92.3%; Pred. No. 1.1e+02;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 594 TGATTGCTGTACC 706
  |||||
Db 2 TGATTGCTGGACC 14

RESULT 109
LOCUS A67028 17 bp DNA linear PAT 29-MAR-1999
DEFINITION Sequence 195 from Patent WO9740193.
ACCESSION A67028
VERSION A67028.1 GI:4538399
KEYWORDS
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Stuyver, L., Rossau, R. and Maertens, G.
TITLE METHOD FOR TYPING AND DETECTING HBV
JOURNAL Patent: WO 9740193-A 195 30-OCT-1997;
INNOGENETICS NV (BE)
FEATURES             Location/Qualifiers
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                    /mol_type="unassigned DNA"
                    /db_xref="taxon:32644"

  Query Match       9.4%; Score 11.4; DB 1; Length 17;
  Best Local Similarity 92.3%; Pred. No. 1.3e+02;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 728 AGACCTTTTAACT 740
  |||||
Db 13 AGACCTTTTAACT 1

RESULT 110
LOCUS A67030 17 bp DNA linear PAT 29-MAR-1999
DEFINITION Sequence 197 from Patent WO9740193.
ACCESSION A67030
VERSION A67030.1 GI:4538401
KEYWORDS
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Stuyver, L., Rossau, R. and Maertens, G.
TITLE METHOD FOR TYPING AND DETECTING HBV
JOURNAL Patent: WO 9740193-A 197 30-OCT-1997;
INNOGENETICS NV (BE)
FEATURES             Location/Qualifiers
  source             1..17
                    /organism="unidentified"
                    /mol_type="unassigned DNA"
                    /db_xref="taxon:32644"

  Query Match       9.4%; Score 11.4; DB 1; Length 17;
  Best Local Similarity 92.3%; Pred. No. 1.3e+02;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 728 AGACCTTTTAACT 740
  |||||
Db 15 AGACCTTTTAACT 3

RESULT 111
LOCUS AR057434/c 17 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 1638 from patent US 5837542.
ACCESSION AR057434
VERSION AR057434.1 GI:5983011
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and
Draper, K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 1638 17-NOV-1998,
Location/Qualifiers
  source             1..17
                    /organism="unknown"
                    /mol_type="unassigned DNA"

  Query Match       9.4%; Score 11.4; DB 1; Length 17;
  Best Local Similarity 92.3%; Pred. No. 1.3e+02;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 732 CTTTACCTTGAG 744
  |||||
Db 13 CTTGTAACCTTGAG 1

RESULT 112
LOCUS AR115192 17 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 1638 from patent US 6132967.
ACCESSION AR115192
VERSION AR115192.1 GI:14095514
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and
Draper, K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of
intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 1638 17-OCT-2000;
Location/Qualifiers
  source             1..17
                    /organism="unknown"
                    /mol_type="unassigned DNA"

  Query Match       9.4%; Score 11.4; DB 1; Length 17;
  Best Local Similarity 92.3%; Pred. No. 1.3e+02;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 732 CTTTACCTTGAG 744
  |||||
Db 13 CTTGTAACCTTGAG 1

RESULT 113
LOCUS BD241438 17 bp DNA linear PAT 17-JUL-2003
DEFINITION Methods and products related to genotyping and DNA analysis.
ACCESSION BD241438
VERSION BD241438.1 GI:33051208
KEYWORDS JP 2002525127-A/385.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1 (bases 1 to 17)
AUTHORS Landers, J.E., Jordan, B., Housman, D.E. and Charest, A.

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TITLE Methods and products related to genotyping and DNA analysis
JOURNAL Patent: JP 200255127-A 385 13-AUG-2002;
COMMENT MASSACHUSETTS INSTITUTE OF TECHNOLOGY
OS Homo sapiens (human)
FN JP 200255127-A/385
PD 13-AUG-2002
PF 24-SEP-1999 JP 2000572407
PI 25-SEP-1998 US 60/101757
PI JOHN E LANDERS, BARBARA JORDAN, DAVID E HOUSMAN, ALAIN CHAREST PC
C12N15/09, C12Q1/68, G01N33/53, G01N33/566, G01N33/58, G01N37/00, PC
G01N37/00,
PC C12N15/00
CC Methods and products related to genotyping and DNA analysis FH
KEY Location/Qualifiers
FT source 1. .17
FT Location/Qualifiers
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/organism='Homo sapiens (human)'.
/organism='Homo sapiens'
/mol_type='genomic DNA'
/db_xref='taxon:9606'
Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 733 TTTTACCTTGAGG 745
DB 17 TTATACCTTGAGG 5
RESULT 114
BD255297/C
LOCUS 17 bp DNA linear PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD255297
VERSION BD255297.1 GI:33065067
KEYWORDS JP 2002541795-A/3090.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt, L., Zwick, M., Pavco, P. and McSwiggen, J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3090 10-DEC-2002;
COMMENT RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
FN JP 2002541795-A/3090
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PI 12-APR-1999 US 60/129390
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC
C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC
C12P21/02,
PC C12P21/02, C12P21/02/A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC
C12R1:91),
PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
PC A61K37/02,
PC C12N5/00, C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
KEY Location/Qualifiers
FT source 1. .17
FT Location/Qualifiers
FEATURES
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/organism='Eukaryote'.
/organism='unidentified'
/mol_type='genomic DNA'
/db_xref='taxon:32644'
Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 690 ATACTGATTCCTG 702
DB 14 AACTGATTCCTG 2
RESULT 115
ARI89890/C
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 5378 from patent US 6346398.
ACCESSION ARI89890
VERSION ARI89890.1 GI:20235855
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 5378 12-FEB-2002;
FEATURES Location/Qualifiers
source 1. .17
/organism='unknown'
/mol_type='unassigned DNA'
Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 683 GCGGAGATACTG 695
DB 17 GCAGAGATACTG 5
RESULT 116
ARI89891/C
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 5379 from patent US 6346398.
ACCESSION ARI89891
VERSION ARI89891.1 GI:20235856
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 5379 12-FEB-2002;
FEATURES Location/Qualifiers
source 1. .17
/organism='unknown'
/mol_type='unassigned DNA'
Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 683 GCGGAGATACTG 695
DB 15 GCAGAGATACTG 3
RESULT 117
ARI89892/C
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 5380 from patent US 6346398.
ACCESSION ARI89892
VERSION ARI89892.1 GI:20235857
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.

[illegible][illegible]

REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 4744 20-MAY-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned RNA"

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCAAG 767
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Db 13 AATGTGGGTCAAG 1

RESULT 123
AR398174 17 bp RNA linear PAT 18-DEC-2003
LOCUS AR398174
DEFINITION Sequence 555 from patent US 6617438.
ACCESSION AR398174
VERSION AR398174.1 GI:40135772
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Beigelman,L., Burgin,A.B., Beaudry,A., Karpeisky,A., Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
TITLE Oligoribonucleotides with enzymatic activity
JOURNAL Patent: US 6617438-A 555 09-SEP-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned RNA"

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 657 GCTTTGGACAGAG 669
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Db 4 GCTTTGTACAGAG 16

RESULT 124
AR433812/17 17 bp DNA linear PAT 18-DEC-2003
LOCUS AR433812
DEFINITION Sequence 235 from patent US 6656700.
ACCESSION AR433812
VERSION AR433812.1 GI:40196655
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Gu,Y. and Shannon,M.E.
TITLE Isoforms of human pregnancy-associated protein-E
JOURNAL Patent: US 6656700-A 235 02-DEC-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="genomic DNA"

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
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Db 15 CTAGAACTTTTAC 3

RESULT 127
AR433815/17 17 bp DNA linear PAT 18-DEC-2003
LOCUS AR433815
DEFINITION Sequence 238 from patent US 6656700.
ACCESSION AR433815
VERSION AR433815.1 GI:40196658
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Gu,Y. and Shannon,M.E.
TITLE Isoforms of human pregnancy-associated protein-E
JOURNAL Patent: US 6656700-A 238 02-DEC-2003;

Db 17 CTAGAACTTTTAC 5

RESULT 125
AR433813/17 17 bp DNA linear PAT 18-DEC-2003
LOCUS AR433813
DEFINITION Sequence 236 from patent US 6656700.
ACCESSION AR433813
VERSION AR433813.1 GI:40196656
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Gu,Y. and Shannon,M.E.
TITLE Isoforms of human pregnancy-associated protein-E
JOURNAL Patent: US 6656700-A 236 02-DEC-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="genomic DNA"

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
|||||
Db 16 CTAGAACTTTTAC 4

RESULT 126
AR433814/17 17 bp DNA linear PAT 18-DEC-2003
LOCUS AR433814
DEFINITION Sequence 237 from patent US 6656700.
ACCESSION AR433814
VERSION AR433814.1 GI:40196657
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Gu,Y. and Shannon,M.E.
TITLE Isoforms of human pregnancy-associated protein-E
JOURNAL Patent: US 6656700-A 237 02-DEC-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="genomic DNA"

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
|||||
Db 15 CTAGAACTTTTAC 3

RESULT 127
AR433815/17 17 bp DNA linear PAT 18-DEC-2003
LOCUS AR433815
DEFINITION Sequence 238 from patent US 6656700.
ACCESSION AR433815
VERSION AR433815.1 GI:40196658
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Gu,Y. and Shannon,M.E.
TITLE Isoforms of human pregnancy-associated protein-E
JOURNAL Patent: US 6656700-A 238 02-DEC-2003;

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FEATURES
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    Location/Qualifiers
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Query Match
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  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 726 CTAGACCTTTTAC 738
Db 14 CTAGACCTTTTAC 2

RESULT 128
AR433816/c
LOCUS AR433816 17 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 239 from patent US 6656700.
ACCESSION AR433816
VERSION AR433816.1 GI:40196659
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Gu.Y. and Shannon,M.E.
TITLE Isoforms of human pregnancy-associated protein-E
JOURNAL Patent: US 6656700-A 239 02-DEC-2003;
FEATURES
  source
    Location/Qualifiers
      1..17
      /organism="unknown"
      /mol_type="genomic DNA"

Query Match
  Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 726 CTAGACCTTTTAC 738
Db 13 CTAGACCTTTTAC 1

RESULT 129
AR214743
LOCUS AR214743 17 bp RNA linear PAT 07-SEP-2001
DEFINITION Sequence 185 from Patent WO0159103.
ACCESSION AR214743
VERSION AR214743.1 GI:15524786
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Blatt,L., Mcswiggen,J. and Chowrira,B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL nogo gene expression
  Patent: WO 0159103-A 185 16-AUG-2001;
  RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
  McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
  source
    Location/Qualifiers
      1..17
      /organism="synthetic construct"
      /mol_type="unassigned RNA"
      /db_xref="taxon:32630"
      /note="Nucleic Acid"

Query Match
  Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 685 GGAAGATAGTGAT 697
Db 2 GGAAGATAGTGAT 14

RESULT 129
AR214743
LOCUS AR214743 17 bp RNA linear PAT 07-SEP-2001
DEFINITION Sequence 185 from Patent WO0159103.
ACCESSION AR214743
VERSION AR214743.1 GI:15524786
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Blatt,L., Mcswiggen,J. and Chowrira,B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL nogo gene expression
  Patent: WO 0159103-A 185 16-AUG-2001;
  RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
  McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
  source
    Location/Qualifiers
      1..17
      /organism="synthetic construct"
      /mol_type="unassigned RNA"
      /db_xref="taxon:32630"
      /note="Nucleic Acid"

Query Match
  Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 685 GGAAGATAGTGAT 697
Db 2 GGAAGATAGTGAT 14

RESULT 130
AX216451
LOCUS AX216451 17 bp RNA linear PAT 07-SEP-2001
DEFINITION Sequence 1893 from Patent WO0159103.
ACCESSION AX216451
VERSION AX216451.1 GI:15526512
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Blatt,L., Mcswiggen,J. and Chowrira,B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL nogo gene expression
  Patent: WO 0159103-A 1893 16-AUG-2001;
  RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
  McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
  source
    Location/Qualifiers
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      /organism="synthetic construct"
      /mol_type="unassigned RNA"
      /db_xref="taxon:32630"
      /note="Nucleic Acid"

Query Match
  Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 685 GGAAGATAGTGAT 697
Db 1 GGAAGATAGTGAT 13

RESULT 131
AX216708
LOCUS AX216708 17 bp RNA linear PAT 07-SEP-2001
DEFINITION Sequence 2150 from Patent WO0159103.
ACCESSION AX216708
VERSION AX216708.1 GI:15526769
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Blatt,L., Mcswiggen,J. and Chowrira,B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL nogo gene expression
  Patent: WO 0159103-A 2150 16-AUG-2001;
  RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
  McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
  source
    Location/Qualifiers
      1..17
      /organism="synthetic construct"
      /mol_type="unassigned RNA"
      /db_xref="taxon:32630"
      /note="Nucleic Acid"

Query Match
  Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 685 GGAAGATAGTGAT 697
Db 4 GGAAGATAGTGAT 16

RESULT 132
AX217046
LOCUS AX217046 17 bp RNA linear PAT 07-SEP-2001
DEFINITION Sequence 2488 from Patent WO0159103.
ACCESSION AX217046
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<p> VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX217046.1 GI:15527107 synthetic construct synthetic construct artificial sequences. 1 Blatt, L., McSwiggen, J. and Chowrira, B.M. Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression Patent: WO 0159103-A 2488 16-AUG-2001; RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US); McSwiggen, James (US); Chowrira, Bharat M. (US) Location/Qualifiers 1. .17 /organism="synthetic construct" /mol_type="unassigned RNA" /db_xref="taxon:32630" /note="Nucleic Acid" </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 685 GGAAGATAGTATGAT 697 Db 5 GGAAGATAGTATGAT 17 </p>	<p> RESULT 133 AX383927/c LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX383927 17 bp DNA linear PAT 19-MAR-2002 Sequence 30 from Patent WO0214546. AX383927 AX383927.1 GI:19577498 Borrelia burgdorferi (Lyme disease spirochete) Borrelia burgdorferi Bacteria; Spirochaetes; Spirochaetales; Spirochaetaceae; Borrelia; Borrelia burgdorferi group. 1 Fritzsche, M. Use of microbial dna sequences for the identification of human diseases Patent: WO 0214546-A 30 21-FEB-2002; Fritzsche, Markus (CH) Location/Qualifiers 1. .17 /organism="Borrelia burgdorferi" /mol_type="unassigned DNA" /db_xref="taxon:139" </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 746 ATTATTGATTAATA 758 Db 17 ATTATTGATTAATA 5 </p>	<p> RESULT 134 AX530857 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS </p>	<p> AX530857 17 bp DNA linear PAT 22-NOV-2002 Sequence 366 from Patent EP1239051. AX530857 AX530857.1 GI:25253508 Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 Shannon, M. </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 664 ACAGAGGGTTTAC 676 Db 4 ACAGAGGGTTTTC 16 </p>	<p> RESULT 136 AX530859 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX530859 17 bp DNA linear PAT 22-NOV-2002 Sequence 368 from Patent EP1239051. AX530859 AX530859.1 GI:25253512 Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 Shannon, M. </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 664 ACAGAGGGTTTAC 676 Db 4 ACAGAGGGTTTTC 16 </p>	<p> RESULT 136 AX530859 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX530859 17 bp DNA linear PAT 22-NOV-2002 Sequence 368 from Patent EP1239051. AX530859 AX530859.1 GI:25253512 Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 Shannon, M. </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 664 ACAGAGGGTTTAC 676 Db 4 ACAGAGGGTTTTC 16 </p>	<p> RESULT 136 AX530858 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX530858 17 bp DNA linear PAT 22-NOV-2002 Sequence 367 from Patent EP1239051. AX530858 AX530858.1 GI:25253510 Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 Shannon, M. </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 664 ACAGAGGGTTTAC 676 Db 5 ACAGAGGGTTTTC 17 </p>	<p> RESULT 135 AX530858 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX530858 17 bp DNA linear PAT 22-NOV-2002 Sequence 367 from Patent EP1239051. AX530858 AX530858.1 GI:25253510 Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 Shannon, M. </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 664 ACAGAGGGTTTAC 676 Db 5 ACAGAGGGTTTTC 17 </p>
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<p> VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX217046.1 GI:15527107 synthetic construct synthetic construct artificial sequences. 1 Blatt, L., McSwiggen, J. and Chowrira, B.M. Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression Patent: WO 0159103-A 2488 16-AUG-2001; RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US); McSwiggen, James (US); Chowrira, Bharat M. (US) Location/Qualifiers 1. .17 /organism="synthetic construct" /mol_type="unassigned RNA" /db_xref="taxon:32630" /note="Nucleic Acid" </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 685 GGAAGATCTGAT 697 Db 5 GGAAGATCTGAT 17 </p>	<p> RESULT 133 AX383927/c LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX383927 Sequence 30 from Patent WO0214546. AX383927 AX383927.1 GI:19577498 Borrelia burgdorferi (Lyme disease spirochete) Borrelia burgdorferi Bacteria; Spirochaetes; Spirochaetales; Spirochaetaceae; Borrelia; Borrelia burgdorferi group. 1 Fritzsche, M. Use of microbial dna sequences for the identification of human diseases Patent: WO 0214546-A 30 21-FEB-2002; Fritzsche, Markus (CH) Location/Qualifiers 1. .17 /organism="Borrelia burgdorferi" /mol_type="unassigned DNA" /db_xref="taxon:139" </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 746 ATTATTGATTA 758 Db 17 ATTATTGATTA 5 </p>	<p> RESULT 134 AX530857 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS </p>	<p> AX530857 Sequence 366 from Patent EP1239051. AX530857 AX530857.1 GI:25253508 Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 Shannon, M. </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 664 ACAGAGGGTTTAC 676 Db 4 ACAGAGGGTTTTC 16 </p>	<p> RESULT 136 AX530859 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX530859 Sequence 368 from Patent EP1239051. AX530859 AX530859.1 GI:25253512 Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 Shannon, M. </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 664 ACAGAGGGTTTAC 676 Db 4 ACAGAGGGTTTTC 16 </p>	<p> RESULT 136 AX530859 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX530859 Sequence 368 from Patent EP1239051. AX530859 AX530859.1 GI:25253512 Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 Shannon, M. </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 664 ACAGAGGGTTTAC 676 Db 4 ACAGAGGGTTTTC 16 </p>	<p> RESULT 136 AX530859 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX530859 Sequence 368 from Patent EP1239051. AX530859 AX530859.1 GI:25253512 Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 Shannon, M. </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 664 ACAGAGGGTTTAC 676 Db 4 ACAGAGGGTTTTC 16 </p>	<p> RESULT 136 AX530858 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX530858 Sequence 367 from Patent EP1239051. AX530858 AX530858.1 GI:25253510 Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 Shannon, M. </p>	<p> Query Match Best Local Similarity 9.4%; Score 11.4; DB 1; Length 17; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0; </p>	<p> QY 664 ACAGAGGGTTTAC 676 Db 5 ACAGAGGGTTTTC 17 </p>	<p> RESULT 135 AX530858 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES source </p>	<p> AX530858 Sequence 367 from Patent EP1239051. 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Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTTAC 676
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 Db 3 ACAGAGGGTTTC 15

RESULT 137
 AX530860
 LOCUS
 DEFINITION Sequence 369 from Patent EP1239051.
 ACCESSION AX530860
 VERSION AX530860.1 GI:2523514
 KEYWORDS Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Shannon, M.
 TITLE Human posh-like protein 1
 JOURNAL Patent: EP 1239051-A 369 11-SEP-2002;
 Aeomica, Inc. (US)
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 /organism="Homo sapiens"
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Query Match 9.4%; Score 11.4; DB 1; Length 17;
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 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTTAC 676
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 Db 2 ACAGAGGGTTTC 14

RESULT 138
 AX530861
 LOCUS
 DEFINITION Sequence 370 from Patent EP1239051.
 ACCESSION AX530861
 VERSION AX530861.1 GI:2523516
 KEYWORDS Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Shannon, M.
 TITLE Human posh-like protein 1
 JOURNAL Patent: EP 1239051-A 370 11-SEP-2002;
 Aeomica, Inc. (US)
 FEATURES
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 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"

Query Match 9.4%; Score 11.4; DB 1; Length 17;
 Best Local Similarity 92.3%; Pred. No. 1.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTTAC 676
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 Db 1 ACAGAGGGTTTC 13

RESULT 139
 AX634498/c
 LOCUS
 DEFINITION Sequence 1637 from Patent EP1260596.

AX634498
 AX634498.1 GI:28470112
 KEYWORDS
 SOURCE unidentified
 ORGANISM unidentified
 REFERENCE 1
 AUTHORS Stinchcomb, D.T., Dudycz, L.W., Chowrira, B., Grimm, S., Direnzo, A.,
 Karpeisky, A., Draper, K.G., Kisch, K., Matulic-Adamic, J.,
 Mcswiggen, J.A., Modak, A., Pavco, P., Beigelman, L., Sullivan, S.M.,
 Swedler, D., Thompson, J.D., Tracz, D., Usman, N., Wincott, F.E. and
 Wolf, T.
 TITLE Method and reagent for inhibiting the expression of disease related
 genes
 JOURNAL Patent: EP 1260596-A 1637 27-NOV-2002;
 RIBOZYME PHARMACEUTICALS, INC. (US)
 FEATURES
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 /organism="unidentified"
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 /db_xref="taxon:32644"

Query Match 9.4%; Score 11.4; DB 1; Length 17;
 Best Local Similarity 92.3%; Pred. No. 1.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 732 CTTTACCTTGAG 744
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 Db 13 CTTGACCTTGAG 1

RESULT 140
 AX690475
 LOCUS
 DEFINITION Sequence 3207 from Patent EP1281758.
 ACCESSION AX690475
 VERSION AX690475.1 GI:29413356
 KEYWORDS Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Shannon, M., Gu, Y. and Nguyen, C.T.
 TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
 mdz12
 JOURNAL Patent: EP 1281758-A 3207 05-FEB-2003;
 Aeomica, Inc. (US)
 FEATURES
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 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"

Query Match 9.4%; Score 11.4; DB 1; Length 17;
 Best Local Similarity 92.3%; Pred. No. 1.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 712 TTGCTGTGGGCCA 724
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 Db 1 TTCTGTGGGCCA 13

RESULT 141
 AX723099/c
 LOCUS
 DEFINITION Sequence 786 from Patent WO03025176.
 ACCESSION AX723099
 VERSION AX723099.1 GI:30423600
 KEYWORDS Mus musculus (house mouse)
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

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REFERENCE
1
AUTHORS
  Telerman,A., Anson,R. and Tuijnder,M.
TITLE
  Sequences involved in phenomena of tumour suppression, tumour
  reversion, apoptosis and/or virus resistance and their use as
  medicines
JOURNAL
  Patent: WO 03025176-A 786 27-MAR-2003;
FEATURES
  Molecular Engines Laboratories (FR)
  source
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    /mol_type="unassigned DNA"
    /db_xref="taxon:10090"

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    92.3%; Pred. No. 1.3e+02;
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    12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 656 AGCTTTGGCAGCA 668
Db 15 AGCTTTGGCAGCA 3

RESULT 142
AX729731/c
LOCUS
  AX729731
DEFINITION
  Sequence 1365 from Patent WO03025175.
ACCESSION
  AX729731
VERSION
  AX729731.1 GI:30509074
KEYWORDS
  Homo sapiens (human)
ORGANISM
  Homo sapiens
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
  Telerman,A., Anson,R. and Tuijnder,M.
TITLE
  Sequences involved in phenomena of tumour suppression, tumour
  reversion, apoptosis and/or virus resistance and their use as
  medicines
JOURNAL
  Patent: WO 03025175-A 1365 27-MAR-2003;
  Molecular Engines Laboratories (FR)
FEATURES
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    /db_xref="taxon:9606"

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    12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGATACGTAT 697
Db 14 GGAAGATACGTAT 2

RESULT 143
AX737246/c
LOCUS
  AX737246
DEFINITION
  Sequence 2836 from Patent WO03025177.
ACCESSION
  AX737246
VERSION
  AX737246.1 GI:30516534
KEYWORDS
  Homo sapiens (human)
ORGANISM
  Homo sapiens
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
  Telerman,A., Anson,R. and Tuijnder,M.
TITLE
  Sequences involved in phenomena of tumour suppression, tumour
  reversion, apoptosis and/or resistance to viruses and the use
  thereof as medicaments
JOURNAL
  Patent: WO 03025177-A 2836 27-MAR-2003;

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FEATURES
  Molecular Engines Laboratories (FR)
  source
    Location/Qualifiers
    1. .17
    /organism="Homo sapiens"
    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

  Query Match
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  Best Local Similarity
    92.3%; Pred. No. 1.3e+02;
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    12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGATACGTAT 697
Db 14 GGAAGATACGTAT 2

RESULT 144
AX737525/c
LOCUS
  AX737525
DEFINITION
  Sequence 846 from Patent WO03040369.
ACCESSION
  AX737525
VERSION
  AX737525.1 GI:32252141
KEYWORDS
  Homo sapiens (human)
ORGANISM
  Homo sapiens
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
  Telerman,A., Anson,R. and Tuijnder,M.
TITLE
  Sequences involved in tumoral suppression, tumoral reversion,
  apoptosis and/or viral resistance phenomena and their use as
  medicines
JOURNAL
  Patent: WO 03040369-A 846 15-MAY-2003;
  Molecular Engines Laboratories (FR)
FEATURES
  Molecular Engines Laboratories (FR)
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    Location/Qualifiers
    1. .17
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    /db_xref="taxon:9606"

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    9.4%; Score 11.4; DB 1; Length 17;
  Best Local Similarity
    92.3%; Pred. No. 1.3e+02;
  Matches
    12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGATACGTAT 697
Db 14 GGAAGATACGTAT 2

RESULT 145
BD199135/c
LOCUS
  BD199135
DEFINITION
  Method and reagent for treating diseases or conditions concerning
  molecule participating in vasculogenic response.
ACCESSION
  BD199135
VERSION
  BD199135.1 GI:33008905
KEYWORDS
  JP 2002509721-A/2161.
SOURCE
  Homo sapiens (human)
ORGANISM
  Homo sapiens
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
  Pavco,P.A., Roberts,E., Jarvis,T., Coeshott,C. and Mcswiggen,J.A.
TITLE
  Method and reagent for treating diseases or conditions concerning
  molecule participating in vasculogenic response
JOURNAL
  Patent: JP 2002509721-A 2161 02-APR-2002;
  RIBOZYME PHARMACEUTICALS INC
COMMENT
  OS Homo sapiens (human)
  PN JP 2002509721-A/2161
  PD 02-APR-2002
  PF 24-MAR-1999 JP 2000541291
  PR 27-MAR-1998 US 60/079678
  PI PAMELA A PAVCO, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHOTT,

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Accession	Gene	Size	Library	Accession
AR055769	LOCUS	16 bp	DNA	PAT 29-SEP-1999
AR055769	linear			

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DEFINITION Sequence 2 from patent US 5837536.
ACCESSION AR055769
VERSION AR055769.1 GI:5981346
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
  1 (bases 1 to 16)
AUTHORS McDonagh,K.I., Nienhuis,A. and Tolstoshev,P.
TITLE Expression of human multidrug resistance genes and improved
  selection of cells transduced with such genes
JOURNAL Patent: US 5837536-A 2 17-NOV-1998;
FEATURES
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Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 16;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 730 ACCTTTTACTTCAGG 745
Db 1 ACATTTTCTTCAGG 16

RESULT 151
LOCUS I18147 16 bp DNA linear PAT 07-OCT-1996
DEFINITION Sequence 382 from patent US 5494807.
ACCESSION I18147
VERSION I18147.1 GI:1598502
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
  1 (bases 1 to 16)
AUTHORS Paolletti,E., Perkus,M.E., Taylor,J., Tartaglia,J., Norton,E.K.,
  Riviere,M., de Taisne,C., Limbach,K.J., Johnson,G.P., Pincus,S.B.,
  Cox,W.I., Audonnet,J.-C.P. and Gettig,R.R.
TITLE NVVAC vaccinia virus recombinants comprising heterologous inserts
JOURNAL Patent: US 5494807-A 382 27-FEB-1996;
FEATURES
  Location/Qualifiers
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        /organism="unknown"
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Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 16;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 739 CTTGAGGATTATTCAT 754
Db 1 CTTGATTTTATTCAT 16

RESULT 152
LOCUS AR329700 16 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 7102 from patent US 6566127.
ACCESSION AR329700
VERSION AR329700.1 GI:33715508
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
  1 (bases 1 to 16)
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions
  related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 7102 20-MAY-2003;
FEATURES
  Location/Qualifiers
    source
      1..16

DEFINITION Sequence 2 from patent US 5837536.
ACCESSION AR055769
VERSION AR055769.1 GI:5981346
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
  1 (bases 1 to 16)
AUTHORS McDonagh,K.I., Nienhuis,A. and Tolstoshev,P.
TITLE Expression of human multidrug resistance genes and improved
  selection of cells transduced with such genes
JOURNAL Patent: US 5837536-A 2 17-NOV-1998;
FEATURES
  Location/Qualifiers
    source
      1..16
        /organism="unknown"
        /mol_type="unassigned DNA"

Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 16;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 653 AACAGCTTTGGACAGA 668
Db 1 AACATTTTGCACAGA 16

RESULT 153
LOCUS AX004022/c 16 bp DNA linear PAT 24-NOV-2000
DEFINITION Sequence 82 from Patent WO9923249.
ACCESSION AX004022
VERSION AX004022.1 GI:9927682
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE
  1
AUTHORS Kessler,C., Bartl,K., Habershausen,G. and Orum,H.
TITLE Specific and sensitive method for detecting nucleic acids
JOURNAL Patent: WO 9923249-A 82 14-MAY-1999;
  KESSLER CHRISTOPH (DE); BARTL KNUIT (DE); HABERHAUSEN GERD (DE);
  ROCHE DIAGNOSTICS GMBH (DE); ORUM HENRIK (DK)
FEATURES
  Location/Qualifiers
    source
      1..16
        /organism="synthetic construct"
        /mol_type="unassigned DNA"
        /db_xref="taxon:32630"
        /note="Capture probe"

Query Match
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 741 TGAGGATTATTCATAA 756
Db 16 TGAGGATTCTTGCAA 1

RESULT 154
LOCUS A97774 17 bp DNA linear PAT 26-JAN-2000
DEFINITION Sequence 51 from Patent WO9914377.
ACCESSION A97774
VERSION A97774.1 GI:6781012
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE
  1 (bases 1 to 17)
AUTHORS Quint,W. and Kleter,B.
TITLE DETECTION AND IDENTIFICATION OF HUMAN PAPILLOMAVIRUS BY PCR AND
  TYPE-SPECIFIC REVERSE HYBRIDIZATION
JOURNAL Patent: WO 9914377-A 51 25-MAR-1999;
  INNOGENETICS NV (BE); DELETS DIAGNOSTIC LAB B V (NL)
FEATURES
  Location/Qualifiers
    source
      1..17
        /organism="unidentified"
        /mol_type="unassigned DNA"
        /db_xref="taxon:32644"

Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 685 GGAAGATACTGATTGC 700
Db 17 GGAATAACTGATTGC 2

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RESULT 155
AR007465 LOCUS 17 bp DNA linear PAT 04-DEC-1998
DEFINITION Sequence 1 from patent US 5750669.
ACCESSION AR007465
VERSION AR007465.1 GI:3966949
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Rosch,H., Frohlich,A., Ramalho-Ortigao,J.Flavio., Montenarh,M. and Seliger,H.
TITLE Oligonucleotide analogs with terminal 3'-3' or 5'-5' internucleotide linkages
JOURNAL Patent: US 5750669-A 1 12-MAY-1998;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 656 AGCTTTGGACAGAGG 671
|||||
Db 1 AGCTTTGCAAGATGG 16
RESULT 156
AR007466/c LOCUS 17 bp DNA linear PAT 04-DEC-1998
DEFINITION Sequence 2 from patent US 5750669.
ACCESSION AR007466
VERSION AR007466.1 GI:3966950
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Rosch,H., Frohlich,A., Ramalho-Ortigao,J.Flavio., Montenarh,M. and Seliger,H.
TITLE Oligonucleotide analogs with terminal 3'-3' or 5'-5' internucleotide linkages
JOURNAL Patent: US 5750669-A 2 12-MAY-1998;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 656 AGCTTTGGACAGAGG 671
|||||
Db 17 AGCTTTGCAAGATGG 2
RESULT 157
AR045949 LOCUS 17 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 742 from patent US 5817796.
ACCESSION AR045949
VERSION AR045949.1 GI:5967414
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)

AUTHORS Stinchcomb,D.T., Draper,K., McSwiggen,J. and Jarvis,T.
TITLE C-myb ribozymes having 2'-5'-linked adenylyate residues
JOURNAL Patent: US 5817796-A 742 06-OCT-1998;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 743 AGGATTATTGATAATA 758
|||||
Db 2 AGGATTTTTAAAAATA 17
RESULT 158
AR045951 LOCUS 17 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 744 from patent US 5817796.
ACCESSION AR045951
VERSION AR045951.1 GI:5967416
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Stinchcomb,D.T., Draper,K., McSwiggen,J. and Jarvis,T.
TITLE C-myb ribozymes having 2'-5'-linked adenylyate residues
JOURNAL Patent: US 5817796-A 744 06-OCT-1998;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 743 AGGATTATTGATAATA 758
|||||
Db 1 AGGATTTTTAAAAATA 16
RESULT 159
AR057612/c LOCUS 17 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 1816 from patent US 5837542.
ACCESSION AR057612
VERSION AR057612.1 GI:5983189
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and Draper,K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 1816 17-NOV-1998;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 734 TTTCACCTTGAGGATTA 749
|||||
Db 17 TGTACCTTGAGTTTAA 2

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RESULT 160
ARI01649/c
LOCUS      17 bp      DNA      linear      PAT 14-FEB-2001
DEFINITION Sequence 4 from patent US 6083698.
ACCESSION  ARI01649
VERSION     ARI01649.1  GI:12812447
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unknown.

REFERENCE  1 (bases 1 to 17)
AUTHORS   Olson,S.Jon., Angelly,T.Staton., Lawrence,T., Lescalliet,J.Lee.,
Murphy,P.Davis., Allen,A.Preisinger., Thuerber,D.Bernadette.,
White,M.Belle., Zeng,B., and Sadzewicz,L.K.
TITLE     Cancer susceptibility mutations of BRCA1
JOURNAL   Patent: US 6083698-A 4 04-JUL-2000;
FEATURES   Location/Qualifiers
            source
            1..17
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      677 TTTGCGAGCGGAAGATA 692
Db      16 TTTGCGATCGTAATA 1

RESULT 161
ARI15370/c
LOCUS      17 bp      DNA      linear      PAT 16-MAY-2001
DEFINITION Sequence 1816 from patent US 6132967.
ACCESSION  ARI15370
VERSION     ARI15370.1  GI:14095692
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unknown.

REFERENCE  1 (bases 1 to 17)
AUTHORS   Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
Draper,K.G.
TITLE     Ribozyme treatment of diseases or conditions related to levels of
intercellular adhesion molecule-1 (ICAM-1)
JOURNAL   Patent: US 6132967-A 1816 17-OCT-2000;
FEATURES   Location/Qualifiers
            source
            1..17
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      734 TTTACCTTGAGGATTA 749
Db      17 TGTACCTTGAGTTT 2

RESULT 162
BD241212/c
LOCUS      17 bp      DNA      linear      PAT 17-JUL-2003
DEFINITION Methods and products related to genotyping and DNA analysis.
ACCESSION  BD241212
VERSION     BD241212.1  GI:33050982
KEYWORDS   JP 2002525127-A/159.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens

REFERENCE  1 (bases 1 to 17)
AUTHORS   Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

TITLE     Methods and products related to genotyping and DNA analysis
JOURNAL   Patent: JP 2002525127-A 159 13-AUG-2002;
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
FEATURES   Location/Qualifiers
            source
            1..17
            /organism="Homo sapiens"
            /mol_type="genomic DNA"
            /db_xref="taxon:9606"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      717 GTGGCCATCTAGACC 732
Db      17 GTGGCCATCTAGACC 2

AUTHORS   Landers,J.E., Jordan,B., Housman,D.E. and Charest,A.
TITLE     Methods and products related to genotyping and DNA analysis
JOURNAL   Patent: JP 2002525127-A 159 13-AUG-2002;
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
COMMENT    OS Homo sapiens (human)
            PN JP 2002525127-A/159
            PD 13-AUG-2002
            PF 24-SEP-1999 JP 2000572407
            PR 25-SEP-1998 US 60/101757
            PI JOHN E LANDERS,BARBARA JORDAN,DAVID E HOUSMAN,ALAIN CHAREST PC
            C12N15/09,C12Q1/68,G01N33/53,G01N33/566,G01N33/58,G01N37/00, PC
            G01N37/00.
            PC C12N15/00
            CC Methods and products related to genotyping and DNA analysis FH
            KEY Location/Qualifiers
            FT source
            1..17
            /organism='Homo sapiens (human)'
            /mol_type='genomic DNA'
            /db_xref='taxon:9606'

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      729 GACCTTTTACCTTGAG 744
Db      17 GAGCTTTTACCTAGTG 2

RESULT 163
BD241420
LOCUS      17 bp      DNA      linear      PAT 17-JUL-2003
DEFINITION Methods and products related to genotyping and DNA analysis.
ACCESSION  BD241420
VERSION     BD241420.1  GI:33051190
KEYWORDS   JP 2002525127-A/367.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens

REFERENCE  1 (bases 1 to 17)
AUTHORS   Landers,J.E., Jordan,B., Housman,D.E. and Charest,A.
TITLE     Methods and products related to genotyping and DNA analysis
JOURNAL   Patent: JP 2002525127-A 367 13-AUG-2002;
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
COMMENT    OS Homo sapiens (human)
            PN JP 2002525127-A/367
            PD 13-AUG-2002
            PF 24-SEP-1999 JP 2000572407
            PR 25-SEP-1998 US 60/101757
            PI JOHN E LANDERS,BARBARA JORDAN,DAVID E HOUSMAN,ALAIN CHAREST PC
            C12N15/09,C12Q1/68,G01N33/53,G01N33/566,G01N33/58,G01N37/00, PC
            G01N37/00.
            PC C12N15/00
            CC Methods and products related to genotyping and DNA analysis FH
            KEY Location/Qualifiers
            FT source
            1..17
            /organism='Homo sapiens (human)'
            /mol_type='genomic DNA'
            /db_xref='taxon:9606'

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      729 GACCTTTTACCTTGAG 744
Db      17 GAGCTTTTACCTAGTG 2

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Db      1 GTGCCCATCATGACC 16

RESULT 164
LOCUS   BD254592/c
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD254592
VERSION   BD254592.1 GI:33064362
KEYWORDS JP 2002541795-A/2385.
SOURCE   unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and McSwiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 2385 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT OS Eukaryote
PN JP 2002541795-A/2385
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL,ZWICK,PAMELA,PAVCO,JAMES MCSWIGGEN PC
C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
C12P21/02,
PC
C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
C12R1:91),
PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
PC A61K37/02,
PC (C12N5/00,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
Key Location/Qualifiers
FT source 1..17
FT /organism='Eukaryote'.

FEATURES
source
1..17
/organism='unidentified'
/mol_type='genomic DNA'
/db_xref='taxon:32644'

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 733 TTTTACCTTGAGGATT 748
Db 1 TTATACCTTGCGGAT 16

RESULT 166
LOCUS I53001
DEFINITION Sequence 742 from patent US 5646042.
ACCESSION I53001
VERSION I53001.1 GI:2474204
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Stinchcomb,D.T., Draper,K., McSwiggen,J. and Jarvis,T.
TITLE C-myb targeted ribozymes
JOURNAL Patent: US 5646042-A 742 08-JUL-1997;
FEATURES
source
1..17
/organism='unknown'
/mol_type='unassigned DNA'

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 743 AGGATTATTGATAATA 758
Db 2 AGGATTTTAAAAATA 17

RESULT 167
LOCUS I53003
DEFINITION Sequence 744 from patent US 5646042.
ACCESSION I53003
VERSION I53003.1 GI:2474206
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Stinchcomb,D.T., Draper,K., McSwiggen,J. and Jarvis,T.
TITLE C-myb targeted ribozymes
JOURNAL Patent: US 5646042-A 744 08-JUL-1997;
FEATURES
source
1..17
/organism='unknown'
/mol_type='unassigned DNA'

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Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 743 AGGATTATTGATAATA 758
Db 1 AGGATTTTTAAATAAATA 16

RESULT 168
ARI86022
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 1510 from patent US 6346398.
ACCESSION ARI86022
VERSION ARI86022.1 GI:20231987
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 1510 12-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCTTGA 743
Db 2 AGTACTTTTACCTTGA 17

RESULT 169
ARI86023
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 1511 from patent US 6346398.
ACCESSION ARI86023
VERSION ARI86023.1 GI:20231988
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 1511 12-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCTTGA 743
Db 1 AGTACTTTTACCTTGA 16

RESULT 170
ARI86749
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 4237 from patent US 6346398.
ACCESSION ARI86749
VERSION ARI86749.1 GI:20234714

KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 4237 12-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 653 AACAGCTTTTGACAGAG 668
Db 2 AACATTTTTCACAGAG 17

RESULT 171
ARI88751
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 4239 from patent US 6346398.
ACCESSION ARI88751
VERSION ARI88751.1 GI:20234716
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 4239 12-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 654 ACAGCTTTTGACAGAG 669
Db 1 ACAATTTTTCACAGAG 16

RESULT 172
ARI88828/c
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 4316 from patent US 6346398.
ACCESSION ARI88828
VERSION ARI88828.1 GI:20234793
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 4316 12-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 654 ACAGCTTTTGACAGAG 669
Db 1 ACAATTTTTCACAGAG 16

RESULT 172
ARI88828/c
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 4316 from patent US 6346398.
ACCESSION ARI88828
VERSION ARI88828.1 GI:20234793
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 4316 12-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;


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Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 684 CGGAAGATACTGATTG 699
Db 16 CTGCAGATACTGACTG 1

RESULT 173
LOCUS AR195582 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 47 from patent US 6350934.
ACCESSION AR195582
VERSION AR195582.1 GI:20245019
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P.Ann.Owens.,
Guo,B., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
TITLE Nucleic acid encoding delta-9 desaturase
JOURNAL Patent: US 6350934-A 47 26-FEB-2002;
FEATURES
    Location/Qualifiers
    source 1..17
    /organism="unknown"
    /mol_type="unassigned DNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 681 CAGCGGAGATACTGA 696
Db 17 CAGTGGAGAACCTGA 2

RESULT 174
LOCUS AR195584 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 49 from patent US 6350934.
ACCESSION AR195584
VERSION AR195584.1 GI:20245021
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P.Ann.Owens.,
Guo,B., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
TITLE Nucleic acid encoding delta-9 desaturase
JOURNAL Patent: US 6350934-A 49 26-FEB-2002;
FEATURES
    Location/Qualifiers
    source 1..17
    /organism="unknown"
    /mol_type="unassigned DNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 680 GCAGCGGAGATACTG 695
Db 16 GCAGTGGAGAACCTG 1

RESULT 175
LOCUS AR254767 17 bp DNA linear PAT 20-DEC-2002
DEFINITION Sequence 51 from patent US 6482588.
ACCESSION AR254767
VERSION AR254767.1 GI:27303815
KEYWORDS

Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 684 CGGAAGATACTGATTG 699
Db 16 CTGCAGATACTGACTG 1

RESULT 173
LOCUS AR195582 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 47 from patent US 6350934.
ACCESSION AR195582
VERSION AR195582.1 GI:20245019
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P.Ann.Owens.,
Guo,B., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
TITLE Nucleic acid encoding delta-9 desaturase
JOURNAL Patent: US 6350934-A 47 26-FEB-2002;
FEATURES
    Location/Qualifiers
    source 1..17
    /organism="unknown"
    /mol_type="unassigned DNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 681 CAGCGGAGATACTGA 696
Db 17 CAGTGGAGAACCTGA 2

RESULT 174
LOCUS AR195584 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 49 from patent US 6350934.
ACCESSION AR195584
VERSION AR195584.1 GI:20245021
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P.Ann.Owens.,
Guo,B., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
TITLE Nucleic acid encoding delta-9 desaturase
JOURNAL Patent: US 6350934-A 49 26-FEB-2002;
FEATURES
    Location/Qualifiers
    source 1..17
    /organism="unknown"
    /mol_type="unassigned DNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 680 GCAGCGGAGATACTG 695
Db 16 GCAGTGGAGAACCTG 1

RESULT 175
LOCUS AR254767 17 bp DNA linear PAT 20-DEC-2002
DEFINITION Sequence 51 from patent US 6482588.
ACCESSION AR254767
VERSION AR254767.1 GI:27303815
KEYWORDS

Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Van Doorn,L.-J., Quint,W., Kleter,B. and TersSchegget,J.
TITLE Detection and identification of human papillomavirus by PCR and
type-specific reverse hybridization
JOURNAL Patent: US 6482588-A 51 19-NOV-2002;
FEATURES
    Location/Qualifiers
    source 1..17
    /organism="unknown"
    /mol_type="genomic DNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 685 GGAAGATACTGATTGC 700
Db 17 GGAATAACTGATTGC 2

RESULT 176
LOCUS AR322653 17 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 55 from patent US 6566127.
ACCESSION AR322653
VERSION AR322653.1 GI:33708461
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 55 20-MAY-2003;
FEATURES
    Location/Qualifiers
    source 1..17
    /organism="unknown"
    /mol_type="unassigned RNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCTTGA 743
Db 2 AGTACTTTTACCTTGA 17

RESULT 177
LOCUS AR322654 17 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 56 from patent US 6566127.
ACCESSION AR322654
VERSION AR322654.1 GI:33708462
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 56 20-MAY-2003;
FEATURES
    Location/Qualifiers
    source 1..17
    /organism="unknown"
    /mol_type="unassigned RNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCTTGA 743
Db 1 AGTACTTTTACCTTGA 16

RESULT 178
AR324602
LOCUS AR324602 17 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 2004 from patent US 6566127.
ACCESSION AR324602
VERSION AR324602.1 GI:33710410
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 2004 20-MAY-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned RNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 653 AACAGCTTTGGACAGA 668
Db 2 AACATTTTGGACAGA 17

RESULT 179
AR324604
LOCUS AR324604 17 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 2006 from patent US 6566127.
ACCESSION AR324604
VERSION AR324604.1 GI:33710412
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 2006 20-MAY-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned RNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 654 ACAGCTTTGGACAGAG 669
Db 1 ACAATTTTGGACAGAG 16

RESULT 180
AR324681/c
LOCUS AR324681 17 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 2083 from patent US 6566127.
ACCESSION AR324681
VERSION AR324681.1 GI:33710489
KEYWORDS
SOURCE Unknown.

ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 2003 20-MAY-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned RNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 684 CGGAAGATACCTGATTG 699
Db 16 CTGCAGATACCTGACTG 1

RESULT 181
AR326977/c
LOCUS AR326977 17 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 4379 from patent US 6566127.
ACCESSION AR326977
VERSION AR326977.1 GI:33712785
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 4379 20-MAY-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned RNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGCCAT 725
Db 17 AATTGCTTTGTCAAT 2

RESULT 182
AR329436/c
LOCUS AR329436 17 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 6838 from patent US 6566127.
ACCESSION AR329436
VERSION AR329436.1 GI:33715244
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 6838 20-MAY-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="unknown"
/mol_type="unassigned RNA"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 687 AGAATCTGATGCTG 702
 |||||
 DB 17 AAGACACTGTAGCTG 2

RESULT 188
 AX119548/c
 LOCUS AX119548 17 bp DNA linear PAT 11-MAY-2001
 DEFINITION Sequence 205 from Patent WO0129251.
 ACCESSION AX119548
 VERSION AX119548.1 GI:14036467
 KEYWORDS Homo sapiens (human)
 SOURCE Homo sapiens
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE
 1. Messiaen, L. and Callens, T.
 AUTHORS Improved mutation analysis of the nfl gene
 TITLE Patent: WO 0129251-A 205 26-APR-2001;
 JOURNAL UNIVERSITEIT GENT (BE)
 FEATURES Location/Qualifiers
 source 1..17
 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 1.4e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 687 AGAATCTGATGCTG 702
 |||||
 DB 17 AAGACACTGTAGCTG 2

RESULT 189
 AX215281
 LOCUS AX215281 17 bp RNA linear PAT 07-SEP-2001
 DEFINITION Sequence 723 from Patent WO0159103.
 ACCESSION AX215281
 VERSION AX215281.1 GI:15525324
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM artificial sequences.

REFERENCE
 1. Blatt, L., McSwiggen, J. and Chowrira, B.M.
 AUTHORS Method and reagent for the modulation and diagnosis of cd20 and
 TITLE nogo gene expression
 JOURNAL Patent: WO 0159103-A 723 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)

FEATURES Location/Qualifiers
 source 1..17
 /organism="synthetic construct"
 /mol_type="unassigned RNA"
 /db_xref="taxon:32630"
 /note="Nucleic Acid"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 1.4e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 672 TTTACTTTGCGGCGGA 687
 |||||
 DB 2 TTTACTTTGTTGCGGA 17

RESULT 190
 AX216642
 LOCUS AX216642 17 bp RNA linear PAT 07-SEP-2001
 DEFINITION Sequence 2084 from Patent WO0159103.
 ACCESSION AX216642
 VERSION AX216642.1 GI:15526703
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM artificial sequences.

REFERENCE
 1. Blatt, L., McSwiggen, J. and Chowrira, B.M.
 AUTHORS Method and reagent for the modulation and diagnosis of cd20 and
 TITLE nogo gene expression
 JOURNAL Patent: WO 0159103-A 2084 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)

FEATURES Location/Qualifiers
 source 1..17
 /organism="synthetic construct"
 /mol_type="unassigned RNA"
 /db_xref="taxon:32630"
 /note="Nucleic Acid"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 1.4e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 678 TTGCAGCGGAGATAC 693
 |||||
 DB 2 TTGCAGTGGAGCTCC 17

RESULT 192
 AX226838/c
 LOCUS AX226838 17 bp RNA linear PAT 10-SEP-2001
 DEFINITION Sequence 210 from Patent WO0157206.
 ACCESSION AX226838
 VERSION AX226838.1 GI:15555979
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM artificial sequences.

LOCUS AX216642 17 bp RNA linear PAT 07-SEP-2001
 DEFINITION Sequence 2084 from Patent WO0159103.
 ACCESSION AX216642
 VERSION AX216642.1 GI:15526703
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM artificial sequences.

REFERENCE
 1. Blatt, L., McSwiggen, J. and Chowrira, B.M.
 AUTHORS Method and reagent for the modulation and diagnosis of cd20 and
 TITLE nogo gene expression
 JOURNAL Patent: WO 0159103-A 2084 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)

FEATURES Location/Qualifiers
 source 1..17
 /organism="synthetic construct"
 /mol_type="unassigned RNA"
 /db_xref="taxon:32630"
 /note="Nucleic Acid"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 1.4e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 672 TTTACTTTGCGGCGGA 687
 |||||
 DB 1 TTTACTTTGTTGCGGA 16

RESULT 191
 AX217032
 LOCUS AX217032 17 bp RNA linear PAT 07-SEP-2001
 DEFINITION Sequence 2474 from Patent WO0159103.
 ACCESSION AX217032
 VERSION AX217032.1 GI:15527093
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM artificial sequences.

REFERENCE
 1. Blatt, L., McSwiggen, J. and Chowrira, B.M.
 AUTHORS Method and reagent for the modulation and diagnosis of cd20 and
 TITLE nogo gene expression
 JOURNAL Patent: WO 0159103-A 2474 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)

FEATURES Location/Qualifiers
 source 1..17
 /organism="synthetic construct"
 /mol_type="unassigned RNA"
 /db_xref="taxon:32630"
 /note="Nucleic Acid"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
 Best Local Similarity 81.2%; Pred. No. 1.4e+02;
 Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 678 TTGCAGCGGAGATAC 693
 |||||
 DB 2 TTGCAGTGGAGCTCC 17

RESULT 192
 AX226838/c
 LOCUS AX226838 17 bp RNA linear PAT 10-SEP-2001
 DEFINITION Sequence 210 from Patent WO0157206.
 ACCESSION AX226838
 VERSION AX226838.1 GI:15555979
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM artificial sequences.

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artificial sequences.
REFERENCE
1
AUTHORS Fattaey,A.R., Jarvis,T., Mcswiggen,J., Boohar,R.N. and Holman,P.S.
TITLE Method and reagent for the inhibition of checkpoint kinase-1 (chk
1) enzyme
JOURNAL PATENT: WO 0157206-A 210 09-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Fattaey, Ali R. (US)
FEATURES
source
1. .17
/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 749 ATTGATAATATGGGTC 764
Db 17 ATTGATAAGATTGTC 2

RESULT 193
AX227215/c
LOCUS 17 bp RNA linear PAT 10-SEP-2001
DEFINITION Sequence 587 from Patent WO0157206.
ACCESSION AX227215
VERSION AX227215.1 GI:15556356
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
1
REFERENCE Fattaey,A.R., Jarvis,T., Mcswiggen,J., Boohar,R.N. and Holman,P.S.
AUTHORS Method and reagent for the inhibition of checkpoint kinase-1 (chk
TITLE 1) enzyme
JOURNAL PATENT: WO 0157206-A 587 09-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Fattaey, Ali R. (US)
FEATURES
source
1. .17
/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 749 ATTGATAATATGGGTC 764
Db 16 ATTGATAAGATTGTC 1

RESULT 194
AX227623/c
LOCUS 17 bp RNA linear PAT 11-SEP-2001
DEFINITION Sequence 995 from Patent WO0157206.
ACCESSION AX227623
VERSION AX227623.1 GI:15556764
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
1
REFERENCE Fattaey,A.R., Jarvis,T., Mcswiggen,J., Boohar,R.N. and Holman,P.S.
AUTHORS Method and reagent for the inhibition of checkpoint kinase-1 (chk
TITLE 1) enzyme
JOURNAL PATENT: WO 0157206-A 995 09-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Fattaey, Ali R. (US)
FEATURES
source
1. .17
/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"

artificial sequences.
/db_xref="taxon:32630"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 731 CCTTTACCTTGAGGA 746
Db 16 CCTTTAATCTTCAGGA 1

RESULT 195
AX227807/c
LOCUS 17 bp RNA linear PAT 10-SEP-2001
DEFINITION Sequence 1179 from Patent WO0157206.
ACCESSION AX227807
VERSION AX227807.1 GI:15556948
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
1
REFERENCE Fattaey,A.R., Jarvis,T., Mcswiggen,J., Boohar,R.N. and Holman,P.S.
AUTHORS Method and reagent for the inhibition of checkpoint kinase-1 (chk
TITLE 1) enzyme
JOURNAL PATENT: WO 0157206-A 1179 09-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Fattaey, Ali R. (US)
FEATURES
source
1. .17
/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 731 CCTTTACCTTGAGGA 746
Db 17 CCTTTAATCTTCAGGA 2

RESULT 196
AX325169/c
LOCUS 17 bp DNA linear PAT 02-SEP-2002
DEFINITION Sequence 1307 from Patent WO0192512.
ACCESSION AX325169
VERSION AX325169.1 GI:18095924
KEYWORDS Fragaria vesca
SOURCE Fragaria vesca
ORGANISM Fragaria vesca
REFERENCE Kniec,E.B., Gamper,H.B., Rice,M.C. and Kim,J.
AUTHORS Targeted chromosomal genomic alterations in plants using modified
TITLE single stranded oligonucleotides
JOURNAL PATENT: WO 0192512-A 1307 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
FEATURES
source
1. .17
/organism="Fragaria vesca"
/mol_type="unassigned DNA"
/db_xref="taxon:57918"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGCCAT 725
Db 17 AGTTGGGTGGGCCTT 2

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RESULT 197
AX325170
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Fragaria vesca
Fragaria vesca
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurossids I; Rosales; Rosaceae; Rosoideae; Fragaria.
REFERENCE
1
AUTHORS
Kniec, E.B., Gamper, H.B., Rice, M.C. and Kim, J.
TITLE
Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
JOURNAL
Patent: WO 0192512-A 1308 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
FEATURES
Location/Qualifiers
source
1..17
/organism="Fragaria vesca"
/mol_type="unassigned DNA"
/db_xref="taxon:57918"

Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGCCAT 725
|||||
Db 1 AGTTGGGTGGGCCTT 16

RESULT 198
AX325201/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Solanum tuberosum (potato)
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
asterids; lamids; Solanales; Solanaceae; Solanum.
REFERENCE
1
AUTHORS
Kniec, E.B., Gamper, H.B., Rice, M.C. and Kim, J.
TITLE
Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
JOURNAL
Patent: WO 0192512-A 1339 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
FEATURES
Location/Qualifiers
source
1..17
/organism="Solanum tuberosum"
/mol_type="unassigned DNA"
/db_xref="taxon:4113"

Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGCCAT 725
|||||
Db 1 AGTTGGGTGGGCCTT 16

RESULT 199
AX325202
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Solanum tuberosum (potato)
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
asterids; lamids; Solanales; Solanaceae; Solanum.
REFERENCE
1
AUTHORS
Kniec, E.B., Gamper, H.B., Rice, M.C. and Kim, J.
TITLE
Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
JOURNAL
Patent: WO 0192512-A 1340 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
FEATURES
Location/Qualifiers
source
1..17
/organism="Solanum tuberosum"
/mol_type="unassigned DNA"
/db_xref="taxon:4113"

Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGCCAT 725
|||||
Db 1 AGTTGGGTGGGCCTT 2

RESULT 199
AX325202
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Solanum tuberosum (potato)
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
asterids; lamids; Solanales; Solanaceae; Solanum.
REFERENCE
1
AUTHORS
Kniec, E.B., Gamper, H.B., Rice, M.C. and Kim, J.
TITLE
Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
JOURNAL
Patent: WO 0192512-A 1340 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
FEATURES
Location/Qualifiers
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/organism="Solanum tuberosum"
/mol_type="unassigned DNA"
/db_xref="taxon:4113"

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Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGCCAT 725
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Db 1 AGTTGGGTGGGCCTT 16

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VERSION
KEYWORDS
SOURCE
ORGANISM
Solanum tuberosum (potato)
Solanum tuberosum
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
asterids; lamids; Solanales; Solanaceae; Solanum.
REFERENCE
1
AUTHORS
Kniec, E.B., Gamper, H.B., Rice, M.C. and Kim, J.
TITLE
Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
JOURNAL
Patent: WO 0192512-A 1340 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
FEATURES
Location/Qualifiers
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Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGCCAT 725
|||||
Db 1 AATTCCTGTGAGCCTT 16

RESULT 200
AX421781/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
Jarvis, T., von Carlwiltz, I., Mcswiggen, J.A., McLaughlin, F.G. and
Randi, A.M.
TITLE
Method and reagent for the inhibition of erg
JOURNAL
Patent: WO 0188124-A 117 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
Location/Qualifiers
source
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/organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"

Query Match
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Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 655 CAGCTTTGGACAGAGG 670
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Db 17 CAGCTTTGGACTGGGG 2

RESULT 201
AX422668
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
Jarvis, T., von Carlwiltz, I., Mcswiggen, J.A., McLaughlin, F.G. and

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Randi, A.M.
Method and reagent for the inhibition of erg
Patent: WO 0188124-A 1004 22-NOV-2001; GLAXO GROUP LIMITED (GB)
RIBOZYME PHARMACEUTICALS, INC. (US)
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            /mol_type="unassigned RNA"
            /db_xref="taxon:9606"

Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 715 CTGTGGGCCATCTAGA 730
Db 2 CTGTGGGCCATCAACA 17

RESULT 202
AX422669
LOCUS AX422669 17 bp RNA linear PAT 18-JUN-2002
DEFINITION Sequence 1005 from Patent WO0188124.
ACCESSION AX422669
VERSION AX422669.1 GI:21526051
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE
AUTHORS Jarvis, T., von Carlowitz, I., McSwiggen, J.A., McLaughlin, F.G. and Randi, A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 1005 22-NOV-2001; GLAXO GROUP LIMITED (GB)
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
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Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 715 CTGTGGGCCATCTAGA 730
Db 1 CTGTGGGCCATCAACA 16

RESULT 203
AX422889/c
LOCUS AX422889 17 bp RNA linear PAT 18-JUN-2002
DEFINITION Sequence 1225 from Patent WO0188124.
ACCESSION AX422889
VERSION AX422889.1 GI:21526271
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE
AUTHORS Jarvis, T., von Carlowitz, I., McSwiggen, J.A., McLaughlin, F.G. and Randi, A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 1225 22-NOV-2001; GLAXO GROUP LIMITED (GB)
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
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            /db_xref="taxon:9606"

Randi, A.M.
Method and reagent for the inhibition of erg
Patent: WO 0188124-A 1004 22-NOV-2001; GLAXO GROUP LIMITED (GB)
RIBOZYME PHARMACEUTICALS, INC. (US)
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Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 655 CAGCTTTGCACAGAGG 670
Db 16 CAGCTTTGCAGCTGGG 1

RESULT 204
AX428652/c
LOCUS AX428652 17 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 51 from Patent EP1201771.
ACCESSION AX428652
VERSION AX428652.1 GI:21538563
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE
AUTHORS Van Doorn, L.J., Kleter, B. and Ter Schegget, J.
TITLE Detection and identification of human papillomavirus by pcr and type-specific reverse hybridization
JOURNAL Patent: EP 1201771-A 51 02-MAY-2002; INNOGENETICS N.V. (BE); Delfts Diagnostic laboratory B.V. (NL)
FEATURES
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            /mol_type="unassigned DNA"
            /db_xref="taxon:32644"

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Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 685 GGAAGATACGTGATTGC 700
Db 17 GGAATACGTGATTGC 2

RESULT 205
AX499445
LOCUS AX499445 17 bp DNA linear PAT 27-SEP-2002
DEFINITION Sequence 752 from Patent EP1229046.
ACCESSION AX499445
VERSION AX499445.1 GI:23381738
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE
AUTHORS Zhan, J.
TITLE Human testis expressed patched like protein
JOURNAL Patent: EP 1229046-A 752 07-AUG-2002; Aescamica, Inc. (US)
FEATURES
    source
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            /mol_type="unassigned DNA"
            /db_xref="taxon:9606"

Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 692 ACTGATTGCTGTACCC 707
Db 2 ACTCACTGCTGGACCC 17

RESULT 206

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AUTHORS	Shannon,M.
TITLE	Human posh-like protein 1
JOURNAL	Patent: EP 1239051-A 365 11-SEP-2002;
FEATURES	Neomica, Inc. (US)
source	Location/Qualifiers
	1..17
	/organism="Homo sapiens"
	/mol_type="unassigned DNA"
	/db_xref="taxon:9606"
Query Match	9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity	81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative	0; Mismatches 3; Indels 0; Gaps 0;
QY	659 TTGGACACAGGTTT 674
Dd	
	1 TGCTACAGAGGTTT 16
RESULT 209	
AX531327	AX531327 17 bp DNA linear PAT 22-NOV-2002
LOCUS	Sequence 836 from Patent EP1239051.
DEFINITION	AX531327
ACCESSION	AX531327.1 GI:25254440
VERSION	
KEYWORDS	Homo sapiens (human)
SOURCE	Homo sapiens
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE	1 Shannon,M.
AUTHORS	Human posh-like protein 1
TITLE	Patent: EP 1239051-A 836 11-SEP-2002;
JOURNAL	Neomica, Inc. (US)
FEATURES	Location/Qualifiers
source	1..17
	/organism="Homo sapiens"
	/mol_type="unassigned DNA"
	/db_xref="taxon:9606"
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Best Local Similarity	81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative	0; Mismatches 3; Indels 0; Gaps 0;
QY	719 GGGCCATCTAGACCTT 734
Dd	
	2 GGGCCCTCTACACTT 17
RESULT 210	
AX531328	AX531328 17 bp DNA linear PAT 22-NOV-2002
LOCUS	Sequence 837 from Patent EP1239051.
DEFINITION	AX531328
ACCESSION	AX531328.1 GI:25254442
VERSION	
KEYWORDS	Homo sapiens (human)
SOURCE	Homo sapiens
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE	1 Shannon,M.
AUTHORS	Human posh-like protein 1
TITLE	Patent: EP 1239051-A 837 11-SEP-2002;
JOURNAL	Neomica, Inc. (US)
FEATURES	Location/Qualifiers
source	1..17
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	/mol_type="unassigned DNA"
	/db_xref="taxon:9606"
Query Match	9.3%; Score 11.2; DB 1; Length 17;


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Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 719 GGGCCATCTAGACCTT 734
Db 1 GGGCCCTTACACCT 16

RESULT 211
AX615946/c
LOCUS AX615946 17 bp DNA linear PAT 20-FEB-2003
DEFINITION Sequence 753 from Patent EP1262488.
ACCESSION AX615946
VERSION AX615946.1 GI:28446992
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 Gu, Y. and Nguyen, C.T.
HUMAN lcc1-domain containing protein
TITLE Human lcc1-domain containing protein
JOURNAL Patent: EP 1262488-A 753 04-DEC-2002;
Aeomica, Inc. (US)
FEATURES
Source
1..17
/organism="Homo sapiens"
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Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 718 TGGGCATCTAGACCT 733
Db 17 TGGGCAGGTAGACCT 2

RESULT 212
AX615947/c
LOCUS AX615947 17 bp DNA linear PAT 20-FEB-2003
DEFINITION Sequence 754 from Patent EP1262488.
ACCESSION AX615947
VERSION AX615947.1 GI:28446993
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 Gu, Y. and Nguyen, C.T.
HUMAN lcc1-domain containing protein
TITLE Human lcc1-domain containing protein
JOURNAL Patent: EP 1262488-A 754 04-DEC-2002;
Aeomica, Inc. (US)
FEATURES
Source
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/mol_type="unassigned DNA"
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Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 718 TGGGCATCTAGACCT 733
Db 16 TGGGCAGGTAGACCT 1

RESULT 213
AX634674/c
LOCUS AX634674 17 bp RNA linear PAT 21-FEB-2003

Sequence 1813 from Patent EP1260586.
ACCESSION AX634674
VERSION AX634674.1 GI:28470288
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE
1 Stinchcomb, D.T., Dudycz, L.W., Chowrira, B., Grimm, S., Drenzo, A.,
Karpeisky, A., Draper, K.G., Kisich, K., Matulic-Adamic, J.,
McSwiggan, J.A., Modak, A., Pavco, P., Beigelman, L., Sullivan, S.M.,
Sweedler, D., Thompson, J.D., Tracz, D., Usman, N., Wincott, F.E. and
Koolf, T.
Method and reagent for inhibiting the expression of disease related
genes
TITLE Method and reagent for inhibiting the expression of disease related
genes
JOURNAL Patent: EP 1260586-A 1813 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
Source
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/organism="unidentified"
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/db_xref="taxon:32644"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 734 TTACCTTGAGGATTA 749
Db 17 TGTACCTTGAGTTTA 2

RESULT 214
AX648591/c
LOCUS AX648591 17 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 431 from Patent EP1273660.
ACCESSION AX648591
VERSION AX648591.1 GI:29151409
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 Gu, Y.
HUMAN sodium-hydrogen exchanger like protein 1
TITLE Human sodium-hydrogen exchanger like protein 1
JOURNAL Patent: EP 1273660-A 431 08-JAN-2003;
Aeomica, Inc. (US)
FEATURES
Source
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 739 CTTGAGGATTTGAT 754
Db 17 CTTGATGAGGATTTGAT 2

RESULT 215
AX648593/c
LOCUS AX648593 17 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 433 from Patent EP1273660.
ACCESSION AX648593
VERSION AX648593.1 GI:29151411
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1
Gu, Y.
Human sodium-hydrogen exchanger like protein 1
JOURNAL Patent: EP 1273660-A 433 08-JAN-2003;
Aeomica, Inc. (US)
FEATURES
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/mol_type="unassigned DNA"
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Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 738 CTTGAGGATTATGCA 753
Db 16 CTTGATGAGGATTGCA 1

RESULT 216
AX648957
LOCUS 17 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 797 from Patent EP1273660.
ACCESSION AX648957
VERSION AX648957.1 GI:29151775
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE
AUTHORS Gu, Y.
TITLE Human sodium-hydrogen exchanger like protein 1
JOURNAL Patent: EP 1273660-A 797 08-JAN-2003;
Aeomica, Inc. (US)
FEATURES
source
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/mol_type="unassigned DNA"
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Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 659 TTTGGACACAGGTTT 674
Db 2 TTTGGAGAGAGTGTGT 17

RESULT 217
AX648958
LOCUS 17 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 798 from Patent EP1273660.
ACCESSION AX648958
VERSION AX648958.1 GI:29151776
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE
AUTHORS Gu, Y.
TITLE Human sodium-hydrogen exchanger like protein 1
JOURNAL Patent: EP 1273660-A 798 08-JAN-2003;
Aeomica, Inc. (US)
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/organism="Homo sapiens"
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/db_xref="taxon:9606"

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1
Gu, Y.
Human sodium-hydrogen exchanger like protein 1
JOURNAL Patent: EP 1273660-A 433 08-JAN-2003;
Aeomica, Inc. (US)
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 659 TTTGGACACAGGTTT 674
Db 1 TTTGGAGAGAGTGTGT 16

RESULT 218
AX671767/C
LOCUS 17 bp DNA linear PAT 27-MAR-2003
DEFINITION Sequence 212 from Patent WO03004526.
ACCESSION AX671767
VERSION AX671767.1 GI:29330115
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE
AUTHORS Teleman, A., Anson, R. and Tuijinder, M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and their use as
medicines
JOURNAL Patent: WO 03004526-A 212 16-JAN-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 739 CTTGAGGATTATGAT 754
Db 17 CATGAGGTTCATGAT 2

RESULT 219
AX672241
LOCUS 17 bp DNA linear PAT 27-MAR-2003
DEFINITION Sequence 686 from Patent WO03004526.
ACCESSION AX672241
VERSION AX672241.1 GI:29330589
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE
AUTHORS Teleman, A., Anson, R. and Tuijinder, M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and their use as
medicines
JOURNAL Patent: WO 03004526-A 686 16-JAN-2003;
Molecular Engines Laboratories (FR)
FEATURES
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/organism="Homo sapiens"
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/db_xref="taxon:9606"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 752 GATTAATATGGTCAAG 767
Db 17 GATTAATATGGTCAAG 17

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Db      1  GATCATATTGCTGTCATG 16

RESULT 220
AX673912
LOCUS      AX673912
DEFINITION Sequence 2357 from Patent WO03004526.
ACCESSION  AX673912
VERSION     AX673912.1 GI:29332260
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1
AUTHORS     Telerman, A., Amson, R. and Tuijnder, M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or resistance to viruses and their use as
            medicines
JOURNAL     Patent: WO 03004526-A 2357 16-JAN-2003;
            Molecular Engines Laboratories (FR)
FEATURES    Location/Qualifiers
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                /organism="Homo sapiens"
                /mol_type="unassigned DNA"
                /db_xref="taxon:9606"
Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      724 ATCTAGACCTTTTACC 739
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        2 ATCTAGATGTTTACC 17

Db

RESULT 221
AX687320
LOCUS      AX687320
DEFINITION Sequence 52 from Patent EP1281758.
ACCESSION  AX687320
VERSION     AX687320.1 GI:29410014
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1
AUTHORS     Shannon, M., Gu, Y. and Nguyen, C.T.
TITLE       Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
            mdz12
JOURNAL     Patent: EP 1281758-A 52 05-FEB-2003;
            Aeomica, Inc. (US)
FEATURES    Location/Qualifiers
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                /mol_type="unassigned DNA"
                /db_xref="taxon:9606"
Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      691 TACTGATTGCTGTACC 706
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        2 TTCTGCTGCTGTACC 17

Db

RESULT 222
AX687321
LOCUS      AX687321
DEFINITION Sequence 53 from Patent EP1281758.
ACCESSION  AX687321
VERSION     AX687321
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1
AUTHORS     Telerman, A., Amson, R. and Tuijnder, M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or resistance to viruses and their use as
            medicines
JOURNAL     Patent: WO 03004526-A 2357 16-JAN-2003;
            Molecular Engines Laboratories (FR)
FEATURES    Location/Qualifiers
            source
            1..17
                /organism="Homo sapiens"
                /mol_type="unassigned DNA"
                /db_xref="taxon:9606"
Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      691 TACTGATTGCTGTACC 706
        |||||
        2 TTCTGCTGCTGTACC 17

Db

RESULT 223
AX722905
LOCUS      AX722905
DEFINITION Sequence 592 from Patent WO03025176.
ACCESSION  AX722905
VERSION     AX722905.1 GI:30423406
KEYWORDS
SOURCE      Mus musculus (house mouse)
ORGANISM    Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1
AUTHORS     Telerman, A., Amson, R. and Tuijnder, M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL     Patent: WO 03025176-A 592 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES    Location/Qualifiers
            source
            1..17
                /organism="Mus musculus"
                /mol_type="unassigned DNA"
                /db_xref="taxon:10090"
Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      752 GATATATATGGTCAAG 767
        |||||
        1 GATCATATGGTTCAG 16

Db

RESULT 224
AX723232/c
LOCUS      AX723232/c
DEFINITION Sequence 919 from Patent WO03025176.
ACCESSION  AX723232
VERSION     AX723232.1 GI:30423733
KEYWORDS
SOURCE      Mus musculus (house mouse)
ORGANISM    Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1
AUTHORS     Telerman, A., Amson, R. and Tuijnder, M.

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TITLE      Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025176-A 919 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES   Location/Qualifiers
            source
            1..17
            /organism="Mus musculus"
            /mol_type="unassigned DNA"
            /db_xref="taxon:10090"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      682 AGCGGAAGATCTGAT 697
Db      17 AGCGCAAGATGAT 2

RESULT 225
AX726802/c
LOCUS      AX726802      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 4489 from Patent WO03025176.
ACCESSION  AX726802
VERSION     AX726802.1 GI:30506145
KEYWORDS    Mus musculus (house mouse)
SOURCE      Mus musculus
ORGANISM    Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1
AUTHORS     Telerman,A., Anson,R. and Tuijnder,M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025176-A 4489 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES   Location/Qualifiers
            source
            1..17
            /organism="Mus musculus"
            /mol_type="unassigned DNA"
            /db_xref="taxon:10090"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      682 AGCGGAAGATCTGAT 697
Db      17 AGTGCAGATACAGAT 2

RESULT 226
AX726853
LOCUS      AX726853      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 4540 from Patent WO03025176.
ACCESSION  AX726853
VERSION     AX726853.1 GI:30506196
KEYWORDS    Mus musculus (house mouse)
SOURCE      Mus musculus
ORGANISM    Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1
AUTHORS     Telerman,A., Anson,R. and Tuijnder,M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025176-A 4540 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES   Location/Qualifiers
            source
            1..17

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            /organism="Mus musculus"
            /mol_type="unassigned DNA"
            /db_xref="taxon:10090"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      689 GATACATGCTGCTGTA 704
Db      1 GATCATATGCTGTA 16

RESULT 227
AX727811/c
LOCUS      AX727811      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 5498 from Patent WO03025176.
ACCESSION  AX727811
VERSION     AX727811.1 GI:30507154
KEYWORDS    Mus musculus (house mouse)
SOURCE      Mus musculus
ORGANISM    Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1
AUTHORS     Telerman,A., Anson,R. and Tuijnder,M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025176-A 5498 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES   Location/Qualifiers
            source
            1..17
            /organism="Mus musculus"
            /mol_type="unassigned DNA"
            /db_xref="taxon:10090"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      732 CTTTTCCTTCAGGAT 747
Db      17 CTTTCATCTTCAGGAT 2

RESULT 228
AX728095/c
LOCUS      AX728095      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 5782 from Patent WO03025176.
ACCESSION  AX728095
VERSION     AX728095.1 GI:30507438
KEYWORDS    Mus musculus (house mouse)
SOURCE      Mus musculus
ORGANISM    Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1
AUTHORS     Telerman,A., Anson,R. and Tuijnder,M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025176-A 5782 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES   Location/Qualifiers
            source
            1..17
            /organism="Mus musculus"
            /mol_type="unassigned DNA"
            /db_xref="taxon:10090"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      732 CTTTTCCTTCAGGAT 747
Db      17 CTTTCATCTTCAGGAT 2

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Qy 676 CTTTGCAGCGAAGAT 691
Db 17 CTTGCTGCTGAGAT 2

RESULT 229
LOCUS AX729042 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 676 from Patent WO03025175.
ACCESSION AX729042
VERSION AX729042.1 GI:30508385
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 676 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 682 AGCGGAAGACTACTGAT 697
Db 2 ATCTGAGACTACTGTT 17

RESULT 230
LOCUS AX729572 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 1206 from Patent WO03025175.
ACCESSION AX729572
VERSION AX729572.1 GI:30508915
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 1206 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 752 GATATATGGTCAAG 767
Db 1 GATCATATTGGTCATG 16

RESULT 231

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AX730484/c
LOCUS AX730484 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 2118 from Patent WO03025175.
ACCESSION AX730484
VERSION AX730484.1 GI:30509827
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 2118 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 739 CTTGAGGATTATGAT 754
Db 17 CTTTAAAGATTATAGAT 2

RESULT 232
LOCUS AX733179/c 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 4813 from Patent WO03025175.
ACCESSION AX733179
VERSION AX733179.1 GI:30512522
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 4813 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 739 CTTGAGGATTATGAT 754
Db 17 CTTTAAAGATTATAGAT 2

RESULT 233
LOCUS AX734702 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 292 from Patent WO03025177.
ACCESSION AX734702
VERSION AX734702.1 GI:30513979
KEYWORDS
SOURCE Homo sapiens (human)

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ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE
AUTHORS      Telerman,A., Anson,R. and Tuijnder,M.
TITLE        Sequences involved in phenomena of tumour suppression, tumour
              reversion, apoptosis and/or resistance to viruses and the use
              thereof as medicaments
JOURNAL       Patent: WO 03025177-A 292 27-MAR-2003;
              Molecular Engines Laboratories (FR)
FEATURES
source       1..17
              /organism="Homo sapiens"
              /mol_type="unassigned DNA"
              /db_xref="taxon:9606"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      714 GCTGTGGGCATCTAG 729
      |||||
Db      1 GATCTGGGCATCTAG 16

RESULT 234
AX735012/c
LOCUS      AX735012
DEFINITION Sequence 602 from Patent WO03025177.
ACCESSION  AX735012
VERSION     AX735012.1 GI:30514289
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE
AUTHORS      Telerman,A., Anson,R. and Tuijnder,M.
TITLE        Sequences involved in phenomena of tumour suppression, tumour
              reversion, apoptosis and/or resistance to viruses and the use
              thereof as medicaments
JOURNAL       Patent: WO 03025177-A 602 27-MAR-2003;
              Molecular Engines Laboratories (FR)
FEATURES
source       1..17
              /organism="Homo sapiens"
              /mol_type="unassigned DNA"
              /db_xref="taxon:9606"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      676 CTTTGACGCGAAGAT 691
      |||||
Db      17 CTCTGCAGCTGGAGAT 2

RESULT 235
AX735266/c
LOCUS      AX735266
DEFINITION Sequence 856 from Patent WO03025177.
ACCESSION  AX735266
VERSION     AX735266.1 GI:30514543
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE
AUTHORS      Telerman,A., Anson,R. and Tuijnder,M.
TITLE        Sequences involved in phenomena of tumour suppression, tumour
              reversion, apoptosis and/or resistance to viruses and the use

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JOURNAL       Patent: WO 03025177-A 856 27-MAR-2003;
              Molecular Engines Laboratories (FR)
FEATURES
source       1..17
              /organism="Homo sapiens"
              /mol_type="unassigned DNA"
              /db_xref="taxon:9606"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      729 GACCTTTTACCTTGAG 744
      |||||
Db      1 GATCTTTTATCTTG 16

RESULT 236
AX737150/c
LOCUS      AX737150
DEFINITION Sequence 2740 from Patent WO03025177.
ACCESSION  AX737150
VERSION     AX737150.1 GI:30516438
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE
AUTHORS      Telerman,A., Anson,R. and Tuijnder,M.
TITLE        Sequences involved in phenomena of tumour suppression, tumour
              reversion, apoptosis and/or resistance to viruses and the use
              thereof as medicaments
JOURNAL       Patent: WO 03025177-A 2740 27-MAR-2003;
              Molecular Engines Laboratories (FR)
FEATURES
source       1..17
              /organism="Homo sapiens"
              /mol_type="unassigned DNA"
              /db_xref="taxon:9606"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      732 CTTTACCTTGAGGAT 747
      |||||
Db      17 CCTTTCCGTGAGGAT 2

RESULT 237
AX738417/c
LOCUS      AX738417
DEFINITION Sequence 4007 from Patent WO03025177.
ACCESSION  AX738417
VERSION     AX738417.1 GI:30517705
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE
AUTHORS      Telerman,A., Anson,R. and Tuijnder,M.
TITLE        Sequences involved in phenomena of tumour suppression, tumour
              reversion, apoptosis and/or resistance to viruses and the use
              thereof as medicaments
JOURNAL       Patent: WO 03025177-A 4007 27-MAR-2003;
              Molecular Engines Laboratories (FR)
FEATURES
source       1..17
              /organism="Homo sapiens"
              /mol_type="unassigned DNA"

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/db_xref="taxon:9606"

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 749 ATTGATAATATGGTC 764
Db 16 ATTGATAAATAGATC 1

RESULT 238
LOCUS AX738611/c 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 4201 from Patent WO03025177.
ACCESSION AX738611
VERSION AX738611.1 GI:30517901
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijinder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 4201 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 732 CTTTACCTTGAGGAT 747
Db 17 CATTTGCTTGAGGAT 2

RESULT 239
LOCUS AX739555 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 5145 from Patent WO03025177.
ACCESSION AX739555
VERSION AX739555.1 GI:30518852
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijinder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 5145 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 752 GATAATATGGTCAAG 767
Db 16 ATTGATAAATAGATC 1

/db_xref="taxon:9606"

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 752 GATAATATGGTCAAG 767
Db 16 ATTGATAAATAGATC 1

/db_xref="taxon:9606"

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 743 AGGATTATTGATAATA 758
Db 2 AGTATTATTGTATTATTA 17

RESULT 240
LOCUS AX739697/c 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 5287 from Patent WO03025177.
ACCESSION AX739697
VERSION AX739697.1 GI:30518994
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijinder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 5287 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 739 CTTGAGGATTATTGAT 754
Db 17 CATGAGGTTGATTGAT 2

RESULT 241
LOCUS AX745074 17 bp DNA linear PAT 14-MAY-2003
DEFINITION Sequence 1039 from Patent WO03031621.
ACCESSION AX745074
VERSION AX745074.1 GI:30723741
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Zhang,J.
TITLE A human G protein coupled receptor
JOURNAL Patent: WO 03031621-A 1039 17-APR-2003;
AmerSham Biosciences (SV) Corp. (US)
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 743 AGGATTATTGATAATA 758
Db 2 AGTATTATTGTATTATTA 17

RESULT 242
LOCUS AX756746/c 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 67 from Patent WO03040369.
ACCESSION AX756746
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VERSION      AX756746.1  GI:32251300
KEYWORDS
SOURCE       Homo sapiens (human)
ORGANISM     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Telerman,A., Anson,R. and Tuijnder,M.
TITLE        Sequences involved in tumoral suppression, tumoral reversion,
              apoptosis and/or viral resistance phenomena and their use as
              medicines
JOURNAL      Molecular Engines Laboratories (FR)
FEATURES     source
              1..17
              /organism="Homo sapiens"
              /mol_type="unassigned DNA"
              /db_xref="taxon:9606"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      739 CTTGAGGATTATGAT 754
Db      17 CTTGAGGATTATGAT 2

RESULT 243
AX757336/c
LOCUS      AX757336      17 bp      DNA      linear      PAT 25-JUN-2003
DEFINITION Sequence 657 from Patent WO03040369.
ACCESSION  AX757336
VERSION     AX757336.1  GI:32251952
KEYWORDS    Homo sapiens (human)
SOURCE      Homo sapiens (human)
ORGANISM    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Telerman,A., Anson,R. and Tuijnder,M.
TITLE        Sequences involved in tumoral suppression, tumoral reversion,
              apoptosis and/or viral resistance phenomena and their use as
              medicines
JOURNAL      Molecular Engines Laboratories (FR)
FEATURES     source
              1..17
              /organism="Homo sapiens"
              /mol_type="unassigned DNA"
              /db_xref="taxon:9606"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      732 CTTTACCTTGAGGAT 747
Db      17 CTTTCTCTTCAGGAT 2

RESULT 244
AX757611/c
LOCUS      AX757611      17 bp      DNA      linear      PAT 25-JUN-2003
DEFINITION Sequence 932 from Patent WO03040369.
ACCESSION  AX757611
VERSION     AX757611.1  GI:32252227
KEYWORDS    Homo sapiens (human)
SOURCE      Homo sapiens (human)
ORGANISM    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Telerman,A., Anson,R. and Tuijnder,M.
TITLE        Sequences involved in tumoral suppression, tumoral reversion,
              apoptosis and/or viral resistance phenomena and their use as
              medicines
JOURNAL      Molecular Engines Laboratories (FR)
FEATURES     source
              1..17
              /organism="Homo sapiens"
              /mol_type="unassigned DNA"
              /db_xref="taxon:9606"

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      724 ATCTAGACCTTTTACC 739
Db      2 ATCTACACCTCTTGCC 17

RESULT 246
AX761672/c
LOCUS      AX761672      17 bp      DNA      linear      PAT 25-JUN-2003
DEFINITION Sequence 4993 from Patent WO03040369.
ACCESSION  AX761672
VERSION     AX761672.1  GI:32256288
KEYWORDS    Homo sapiens (human)
SOURCE      Homo sapiens (human)
ORGANISM    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Telerman,A., Anson,R. and Tuijnder,M.
TITLE        Sequences involved in tumoral suppression, tumoral reversion,
              apoptosis and/or viral resistance phenomena and their use as
              medicines
JOURNAL      Molecular Engines Laboratories (FR)
FEATURES     Location/Qualifiers

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source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 739 CTTGGGATTTTGGAT 754
Db 17 CTTGGGATAAATGAT 2

RESULT 247
BD067313/c
LOCUS BD067313 17 bp RNA linear PAT 27-AUG-2002
DEFINITION Enzymatic nucleic acid treatment of diseases or conditions related
to levels of epidermal growth factor receptors.
ACCESSION BD067313
VERSION BD067313.1 GI:22612916
KEYWORDS JP 2001511003-A/153.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)
AUTHORS Akhtar,S., Fell,P. and Mcswiggen,J.A.
TITLE Enzymatic nucleic acid treatment of diseases or conditions related
to levels of epidermal growth factor receptors
JOURNAL Patent: JP 2001511003-A 153 07-AUG-2001;
RIBOZYME PHARMACEUTICALS INC,ASTON UNIV
COMMENT OS Unidentified
PN JP 2001511003-A/153
PD 07-AUG-2001
PF 14-JAN-1998 JP 1998532913
PR 31-JAN-1997 US 60/036476,04-DEC-1997 US 08/985162 PI
SAGHIR AKHTAR,PATRICIA FELL,JAMES A MCSWIGGEN PC
C12N9/00,C07K14/71
CC Strandedness: Single;
CC Topology: Linear;
CC Enzymatic nucleic acid treatment of diseases or conditions CC
related to
CC levels of epidermal growth factor receptors
FH Key Location/Qualifiers
FT source 1. .17
/organism="unidentified"
/mol_type="genomic RNA"
/db_xref="taxon:32644"

FEATURES
source
1. .17
Location/Qualifiers
/organism="Unidentified".

Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 757 TATGGGTCAAGAAGTC 772
Db 16 TATGTGTGAAGGAGTC 1

RESULT 249
BD067713/c
LOCUS BD067713 17 bp RNA linear PAT 27-AUG-2002
DEFINITION Enzymatic nucleic acid treatment of diseases or conditions related
to levels of epidermal growth factor receptors.
ACCESSION BD067713
VERSION BD067713.1 GI:22613316
KEYWORDS JP 2001511003-A/553.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)
AUTHORS Akhtar,S., Fell,P. and Mcswiggen,J.A.
TITLE Enzymatic nucleic acid treatment of diseases or conditions related
to levels of epidermal growth factor receptors
JOURNAL Patent: JP 2001511003-A 553 07-AUG-2001;
RIBOZYME PHARMACEUTICALS INC,ASTON UNIV
COMMENT OS Unidentified
PN JP 2001511003-A/553
PD 07-AUG-2001
PF 14-JAN-1998 JP 1998532913
PR 31-JAN-1997 US 60/036476,04-DEC-1997 US 08/985162 PI
SAGHIR AKHTAR,PATRICIA FELL,JAMES A MCSWIGGEN PC
C12N9/00,C07K14/71
CC Strandedness: Single;
CC Topology: Linear;
CC Enzymatic nucleic acid treatment of diseases or conditions CC
related to
CC levels of epidermal growth factor receptors
FH Key Location/Qualifiers
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/mol_type="genomic RNA"
/db_xref="taxon:32644"

FEATURES
source
1. .17
Location/Qualifiers
/organism="Unidentified".

Query Match
Best Local Similarity 9.3%; Score 11.2; DB 1; Length 17;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 757 TATGGGTCAAGAAGTC 772
Db 17 TATGTGTGAAGGAGTC 2

RESULT 248
BD067314/c
LOCUS BD067314 17 bp RNA linear PAT 27-AUG-2002
DEFINITION Enzymatic nucleic acid treatment of diseases or conditions related
to levels of epidermal growth factor receptors.
ACCESSION BD067314
VERSION BD067314.1 GI:22612917
KEYWORDS JP 2001511003-A/154.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)

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Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 719 GGGCCATCTAGACCTT 734
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Db 17 GGGCCATGAAGGCTT 2

RESULT 250
BD067714/c
LOCUS
DEFINITION
Enzymatic nucleic acid treatment of diseases or conditions related
to levels of epidermal growth factor receptors.
ACCESSION
BD067714
VERSION
BD067714.1 GI:22613317
KEYWORDS
JP 2001511003-A/554.
SOURCE
unidentified
ORGANISM
unclassified.
REFERENCE
1 (bases 1 to 17)
AUTHORS
Akhtar,S., Fell,P. and Mcswiggen,J.A.
TITLE
Enzymatic nucleic acid treatment of diseases or conditions related
to levels of epidermal growth factor receptors
JOURNAL
Patent: JP 2001511003-A 554 07-AUG-2001;
RIBOZYME PHARMACEUTICALS INC,ASTON UNIV
COMMENT
OS Unidentified
PN JP 2001511003-A/554
PD 07-AUG-2001
PR 14-JAN-1998 JP 1998532913
PR 31-JAN-1997 US 60/036476,04-DEC-1997 US 08/985162 PI
SAGHIR AKHTAR,PATRICIA FELL,JAMES A MCSWIGGEN PC
C12N9/00,C07K14/71
CC Strandedness: Single;
CC Topology: Linear;
CC Enzymatic nucleic acid treatment of diseases or conditions CC
related to
CC levels of epidermal growth factor receptors
FH Key Location/Qualifiers
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FT Location/Qualifiers
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Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 719 GGGCCATCTAGACCTT 734
      |||||
Db 16 GGGCCATGAAGGCTT 1

RESULT 251
BD199062/c
LOCUS
DEFINITION
Method and reagent for treating diseases or conditions concerning
molecule participating in vasculogenic response.
ACCESSION
BD199062
VERSION
BD199062.1 GI:33008832
KEYWORDS
JP 2002509721-A/2088.
SOURCE
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE
1 (bases 1 to 17)
AUTHORS
Pavco,P.A., Roberts,E., Jarvis,T., Coeshott,C. and Mcswiggen,J.A.
TITLE
Method and reagent for treating diseases or conditions concerning
molecule participating in vasculogenic response
JOURNAL
Patent: JP 2002509721-A 2088 02-APR-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT
OS Homo sapiens (human)
PN JP 2002509721-A/2088
PD 02-APR-2002
PR 24-MAR-1999 JP 2000541291
PR 27-MAR-1998 US 60/079678
PI PAMELA A PAVCO,ELISABETH ROBERTS,THALE JARVIS,CLAIRE COESHOTT,
PI JAMES A MCSWIGGEN
PC C12N15/09,A61K31/7088,A61K31/7125,A61K48/00,A61P3/10,A61P17/06, PC
A61P29/00,
PC A61P35/00,A61P43/00,C12N5/10,C12N9/00//A61K35/76,C12N15/00, PC
C12N5/00
CC Method and reagent for treating diseases or conditions CC
concerning molecule
CC participating in vasculogenic response
FH Key Location/Qualifiers
FT source 1..17
FT Location/Qualifiers
1..17
/organism="Homo sapiens (human)".

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RIBOZYME PHARMACEUTICALS INC
OS Homo sapiens (human)
PN JP 2002509721-A/2088
PD 02-APR-2002
PR 24-MAR-1999 JP 2000541291
PR 27-MAR-1998 US 60/079678
PI PAMELA A PAVCO,ELISABETH ROBERTS,THALE JARVIS,CLAIRE COESHOTT,
PI JAMES A MCSWIGGEN
PC C12N15/09,A61K31/7088,A61K31/7125,A61K48/00,A61P3/10,A61P17/06, PC
A61P29/00,
PC A61P35/00,A61P43/00,C12N5/10,C12N9/00//A61K35/76,C12N15/00, PC
C12N5/00
CC Method and reagent for treating diseases or conditions CC
concerning molecule
CC participating in vasculogenic response
FH Key Location/Qualifiers
FT source 1..17
FT Location/Qualifiers
1..17
/organism="Homo sapiens (human)".

Query Match      9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 757 TATGGGTCAGAGCTC 772
      |||||
Db 17 TTGGCTCAGTAGTC 2

RESULT 252
BD201262/c
LOCUS
DEFINITION
Method and reagent for treating diseases or conditions concerning
molecule participating in vasculogenic response.
ACCESSION
BD201262
VERSION
BD201262.1 GI:33011032
KEYWORDS
JP 2002509721-A/4288.
SOURCE
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 (bases 1 to 17)
AUTHORS
Pavco,P.A., Roberts,E., Jarvis,T., Coeshott,C. and Mcswiggen,J.A.
TITLE
Method and reagent for treating diseases or conditions concerning
molecule participating in vasculogenic response
JOURNAL
Patent: JP 2002509721-A 4288 02-APR-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT
OS Homo sapiens (human)
PN JP 2002509721-A/4288
PD 02-APR-2002
PR 24-MAR-1999 JP 2000541291
PR 27-MAR-1998 US 60/079678
PI PAMELA A PAVCO,ELISABETH ROBERTS,THALE JARVIS,CLAIRE COESHOTT,
PI JAMES A MCSWIGGEN
PC C12N15/09,A61K31/7088,A61K31/7125,A61K48/00,A61P3/10,A61P17/06, PC
A61P29/00,
PC A61P35/00,A61P43/00,C12N5/10,C12N9/00//A61K35/76,C12N15/00, PC
C12N5/00
CC Method and reagent for treating diseases or conditions CC
concerning molecule
CC participating in vasculogenic response
FH Key Location/Qualifiers
FT source 1..17
FT Location/Qualifiers
1..17
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Matches	11; Conservative	0; Mismatches	0; Indels	0; Gaps	0;
QY	739 CTTGAGGATTA 749				
Db	11 CTTGAGGATTA 1				
RESULT 257					
AX628001/c					
LOCUS	11 bp	DNA	linear	PAT 21-FEB-2003	
DEFINITION	Sequence 5042 from Patent WO2053774.				
ACCESSION	AX628001				
VERSION	AX628001.1 GI:28456039				
KEYWORDS	Homo sapiens (human)				
SOURCE	Homo sapiens				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Euthera; Primates; Catarrhini; Homnidae; Homo.				
REFERENCE	1				
AUTHORS	Petersohn,D., Conradt,M. and Hofmann,K.				
TITLE	Method for determining homeostasis of the skin				
JOURNAL	Patent: WO 02053774-A 5042 11-JUN-2002;				
FEATURES	Henkel Kommanditgesellschaft auf Aktien (DE)				
source	Location/Qualifiers				
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/organism="Homo sapiens"					
/mol_type="unassigned DNA"					
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Query Match	9.1%; Score 11; DB 1; Length 11;				
Best Local Similarity	100.0%; Pred.No.1.1e+02;				
Matches	11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
QY	739 CTTGAGGATTA 749				
Db	11 CTTGAGGATTA 1				
RESULT 258					
A95398/c					
LOCUS	12 bp	DNA	linear	PAT 26-JAN-2000	
DEFINITION	Sequence 5 from Patent WO9927086.				
ACCESSION	A95398				
VERSION	A95398.1 GI:6779442				
KEYWORDS	unidentified				
SOURCE	unclassified				
ORGANISM	unclassified				
REFERENCE	1 (bases 1 to 12)				
AUTHORS	Thompson,A.H. and Schmidt,G.				
TITLE	CHIMERIC ANTISENSE OLIGONUCLEOTIDES AGAINST TNF-ALPHA AND THEIR				
JOURNAL	USES				
Patent:	WO 9927086-A 5 03-JUN-1999;				
BRAX GENOMICS LTD (GB); THOMPSON ANDREW HUGIN (GB)					
FEATURES	Location/Qualifiers				
source	1..12				
/organism="unidentified"					
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Query Match	9.1%; Score 11; DB 1; Length 12;				
Best Local Similarity	100.0%; Pred.No.1.1e+02;				
Matches	11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
QY	665 CAGAGGGTTTA 675				
Db	11 CAGAGGGTTTA 1				
RESULT 259					
127710					
LOCUS	12 bp	DNA	linear	PAT 06-FEB-1997	
DEFINITION	Sequence 17 from patent US 5567583.				

ACCESSION	I27710	GI:1818486			
VERSION	I27710.1				
KEYWORDS					
SOURCE	Unknown.				
ORGANISM	Unknown.				
REFERENCE	Unclassified.				
1 (bases 1 to 12)					
AUTHORS	Wang,C.-N.J. and Wu,K.-Y.				
TITLE	Methods for reducing non-specific priming in DNA detection				
JOURNAL	Patent: US 5567583-A 17 22-OCT-1996;				
FEATURES	Location/Qualifiers				
source	1..12				
/organism="unknown"					
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Query Match	9.1%; Score 11; DB 1; Length 12;				
Best Local Similarity	100.0%; Pred.No.1.1e+02;				
Matches	11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
QY	720 GGCCATCTAGA 730				
Db	1 GGCCATCTAGA 11				
RESULT 260					
I83054					
LOCUS	12 bp	DNA	linear	PAT 10-JUN-1998	
DEFINITION	Sequence 17 from patent US 5712386.				
ACCESSION	I83054				
VERSION	I83054.1 GI:3211351				
KEYWORDS	Unknown.				
SOURCE	Unknown.				
ORGANISM	Unknown.				
REFERENCE	Unclassified.				
1 (bases 1 to 12)					
AUTHORS	Wang,C.-N.J. and Wu,K.-Y.				
TITLE	Kits for detecting a target nucleic acid with blocking				
JOURNAL	oligonucleotides				
Patent:	US 5712386-A 17 27-JAN-1998;				
FEATURES	Location/Qualifiers				
source	1..12				
/organism="unknown"					
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Query Match	9.1%; Score 11; DB 1; Length 12;				
Best Local Similarity	100.0%; Pred.No.1.1e+02;				
Matches	11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
QY	720 GGCCATCTAGA 730				
Db	1 GGCCATCTAGA 11				
RESULT 261					
A12734/c					
LOCUS	15 bp	DNA	linear	PAT 29-SEP-1994	
DEFINITION	Oligonucleotide.				
ACCESSION	A12734				
VERSION	A12734.1 GI:640598				
KEYWORDS	synthetic construct				
SOURCE	synthetic construct				
ORGANISM	artificial sequences.				
REFERENCE	1 (bases 1 to 15)				
AUTHORS	PRODUCTION OF HUMAN SOMATOMEDIN C				
TITLE	Patent: WO 8605810-A 13 09-OCT-1986;				
JOURNAL	Location/Qualifiers				
FEATURES	1..15				
source	/organism="synthetic construct"				
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Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTT 674
Db 15 ACAGAGGGTTT 5

RESULT 262
LOCUS A12735 15 bp DNA linear PAT 29-SEP-1994
DEFINITION oligonucleotide.
ACCESSION A12735
VERSION A12735.1 GI:640599
KEYWORDS synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 15)
AUTHORS
TITLE
JOURNAL
FEATURES
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        /mol_type="unassigned DNA"
        /db_xref="taxon:32630"

Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTT 674
Db 15 ACAGAGGGTTT 5

RESULT 263
LOCUS A12737 15 bp DNA linear PAT 29-SEP-1994
DEFINITION oligonucleotide.
ACCESSION A12737
VERSION A12737.1 GI:640601
KEYWORDS synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 15)
AUTHORS
TITLE
JOURNAL
FEATURES
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        /organism="synthetic construct"
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Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTT 674
Db 15 ACAGAGGGTTT 5

RESULT 264
LOCUS A131576 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 1 from patent US 6194150.
ACCESSION A131576
VERSION A131576.1 GI:14120479

Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTT 674
Db 15 ACAGAGGGTTT 5

RESULT 265
LOCUS AX377292 15 bp DNA linear PAT 18-MAR-2002
DEFINITION Sequence 30 from Patent WO0212498.
ACCESSION AX377292
VERSION AX377292.1 GI:19573579
KEYWORDS Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Klem, S.E., Koshy, B. and Tanguay, D.A.
TITLE Haplotypes of the is11 gene
JOURNAL Patent: WO 0212498-A 30 14-FEB-2002;
GENAissance Pharmaceuticals, Inc. (US)
FEATURES
    source
        /organism="Homo sapiens"
        /mol_type="unassigned DNA"
        /db_xref="taxon:9606"

Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 733 TTTTACCTTGAGG 745
Db 3 TTTTAYCTTGCG 15

RESULT 266
LOCUS AX377292 15 bp DNA linear PAT 18-MAR-2002
DEFINITION Sequence 30 from Patent WO0212498.
ACCESSION AX377292
VERSION AX377292.1 GI:19573579
KEYWORDS Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Klem, S.E., Koshy, B. and Tanguay, D.A.
TITLE Haplotypes of the is11 gene
JOURNAL Patent: WO 0212498-A 30 14-FEB-2002;
GENAissance Pharmaceuticals, Inc. (US)
FEATURES
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        /mol_type="unassigned DNA"
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Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTT 674
Db 15 ACAGAGGGTTT 5

RESULT 267
LOCUS A12735 15 bp DNA linear PAT 29-SEP-1994
DEFINITION oligonucleotide.
ACCESSION A12735
VERSION A12735.1 GI:640599
KEYWORDS synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 15)
AUTHORS
TITLE
JOURNAL
FEATURES
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Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTT 674
Db 15 ACAGAGGGTTT 5

RESULT 268
LOCUS A12737 15 bp DNA linear PAT 29-SEP-1994
DEFINITION oligonucleotide.
ACCESSION A12737
VERSION A12737.1 GI:640601
KEYWORDS synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 15)
AUTHORS
TITLE
JOURNAL
FEATURES
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Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTT 674
Db 15 ACAGAGGGTTT 5

RESULT 269
LOCUS A131576 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 1 from patent US 6194150.
ACCESSION A131576
VERSION A131576.1 GI:14120479

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KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb, D.T., Jarvis, T. and McSwiggen, J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 1 27-FEB-2001;
FEATURES
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        /mol_type="unassigned DNA"

Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTT 674
Db 11 ACAGAGGGTTT 1

RESULT 265
LOCUS AX377271 15 bp DNA linear PAT 18-MAR-2002
DEFINITION Sequence 9 from Patent WO0212498.
ACCESSION AX377271
VERSION AX377271.1 GI:19573558
KEYWORDS Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Klem, S.E., Koshy, B. and Tanguay, D.A.
TITLE Haplotypes of the is11 gene
JOURNAL Patent: WO 0212498-A 9 14-FEB-2002;
GENAissance Pharmaceuticals, Inc. (US)
FEATURES
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        /mol_type="unassigned DNA"
        /db_xref="taxon:9606"

Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 733 TTTTACCTTGAGG 745
Db 3 TTTTAYCTTGCG 15

RESULT 266
LOCUS AX377292 15 bp DNA linear PAT 18-MAR-2002
DEFINITION Sequence 30 from Patent WO0212498.
ACCESSION AX377292
VERSION AX377292.1 GI:19573579
KEYWORDS Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Klem, S.E., Koshy, B. and Tanguay, D.A.
TITLE Haplotypes of the is11 gene
JOURNAL Patent: WO 0212498-A 30 14-FEB-2002;
GENAissance Pharmaceuticals, Inc. (US)
FEATURES
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        /db_xref="taxon:9606"

Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTT 674
Db 15 ACAGAGGGTTT 5

RESULT 267
LOCUS A12735 15 bp DNA linear PAT 29-SEP-1994
DEFINITION oligonucleotide.
ACCESSION A12735
VERSION A12735.1 GI:640599
KEYWORDS synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 15)
AUTHORS
TITLE
JOURNAL
FEATURES
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        /mol_type="unassigned DNA"
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Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTT 674
Db 15 ACAGAGGGTTT 5

RESULT 268
LOCUS A12737 15 bp DNA linear PAT 29-SEP-1994
DEFINITION oligonucleotide.
ACCESSION A12737
VERSION A12737.1 GI:640601
KEYWORDS synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 15)
AUTHORS
TITLE
JOURNAL
FEATURES
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        /organism="synthetic construct"
        /mol_type="unassigned DNA"
        /db_xref="taxon:32630"

Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTT 674
Db 15 ACAGAGGGTTT 5

RESULT 269
LOCUS A131576 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 1 from patent US 6194150.
ACCESSION A131576
VERSION A131576.1 GI:14120479

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RESULT 269
AR033480/c
LOCUS AR033480 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 246 from patent US 5869253.
ACCESSION AR033480

Query Match 8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.5e+02;

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Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 656 AGCTTTGACAGAG 669
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Db 15 AGTGTGACAGAG 2

RESULT 272
AR113650 AR113650 15 bp DNA linear PAT 16-MAY-2001
LOCUS Sequence 96 from patent US 6132967.
ACCESSION AR113650
VERSION AR113650.1 GI:14093972
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Draper,K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of
JOURNAL intercellular adhesion molecule-1 (ICAM-1)
FEATURES Patent: US 6132967-A 96 17-OCT-2000;
source Location/Qualifiers
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Query Match 8.9%; Score 10.8; DB 1; Length 15;
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Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 722 CCATCTACGCTTT 735
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Db 2 CCATCTACGCTTT 15

RESULT 273
AR131577/c
LOCUS AR131577 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 2 from patent US 6194150.
ACCESSION AR131577
VERSION AR131577.1 GI:14120480
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 2 27-FEB-2001;
FEATURES Location/Qualifiers
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/mol_type="unassigned DNA"

Query Match 8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 673 TTACTTTGACGCG 686
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Db 14 TTACTTTACAGAG 1

RESULT 274
BD233340/c
LOCUS BD233340 15 bp DNA linear PAT 17-JUL-2003
DEFINITION Method of detecting mutation selected by drug in HIV protease gene.
ACCESSION BD233340
VERSION BD233340.1 GI:33043110
KEYWORDS JP 2002518065-A/436.
SOURCE Aids-associated retrovirus

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ORGANISM Aids-associated retrovirus
REFERENCE Viruses; Retrovird viruses; Retroviridae.
AUTHORS 1 (bases 1 to 15)
TITLE Stuyver,L.
JOURNAL Method of detecting mutation selected by drug in HIV protease gene
Patent: JP 2002518065-A 436 25-JUN-2002;
INNOGENETICS NV
COMMENT OS Aids-associated retrovirus
PN JP 2002518065-A/436
PD 25-JUN-2002
PF 22-JUN-1999 JP 2000556068
PR 24-JUN-1998 EP 98870143.9
PI LIIVEN STUYVER
PC C12N15/09,C12Q1/68,C12Q1/70,C12N15/00
CC Method of detecting mutation selected by drug in HIV protease
CQ gene
FH Key Location/Qualifiers
FT source 1..15
FT /organism="Aids-associated retrovirus".
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/organism="Aids-associated retrovirus"
/mol_type="genomic DNA"
/db_xref="taxon:11966"

Query Match 8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 755 AATATGGTGTCAGA 768
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Db 14 AATCTGGTGTCACA 1

RESULT 275
BD246789/c
LOCUS BD246789 15 bp DNA linear PAT 17-JUL-2003
DEFINITION Method for attenuating harmful side-effects related to cell
transplantation.
ACCESSION BD246789
VERSION BD246789.1 GI:33056559
KEYWORDS JP 2002533358-A/3.
SOURCE Canis familiaris (dog)
ORGANISM Canis familiaris
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.
REFERENCE 1 (bases 1 to 15)
AUTHORS Hurwitz,D.R., Cherington,V., Galanopoulos,T., Levine,P.H. and
Greenberger,J.S.
TITLE Method for attenuating harmful side-effects related to cell
transplantation
JOURNAL Patent: JP 2002533358-A 3 08-OCT-2002;
COMMENT ALG CO
OS Canis familiaris (dog)
PN JP 2002533358-A/3
PD 08-OCT-2002
PF 28-DEC-1999 JP 2000590482
PR 31-DEC-1998 US 09/224048
PI DAVID R HURWITZ,VAN CHERINGTON,THEOFANIS GALANOPOULOS,PETER H
PI LEVINE,
PI JOEL S GREENBERGER
PC A61K35/12,A61K35/28,A61K35/48,A61K48/00,A61P7/02,A61P7/04, PC
C12N5/06,
C12N15/09// (C12N5/06,C12R1:91),C12N15/00,C12N5/00,
PC C12R1:91)
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QY 719 GGCCCATCTAGACC 732					
Db 15 GGGCCATGAAGACC 2					
RESULT 276					
IS7709/c					
LOCUS 15 bp DNA linear PAT 07-OCT-1997					
DEFINITION Sequence 246 from patent US 5610054.					
ACCESSION IS7709					
VERSION IS7709.1 GI:2482773					
KEYWORDS					
SOURCE Unknown.					
ORGANISM Unclassified.					
REFERENCE Draper K.G.					
AUTHORS Enzymatic RNA molecule targeted against Hepatitis C virus					
TITLE Patent: US 5610054-A 245 11-MAR-1997;					
JOURNAL Location/Qualifiers					
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Db 15 AGTGTGGACAG 2					
RESULT 277					
AR180516/c					
LOCUS 15 bp DNA linear PAT 20-APR-2002					
DEFINITION Sequence 584 from patent US 6333152.					
ACCESSION AR180516					
VERSION AR180516.1 GI:20222549					
KEYWORDS					
SOURCE Unknown.					
ORGANISM Unclassified.					
REFERENCE Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.					
AUTHORS Gene expression profiles in normal and cancer cells					
TITLE Patent: US 6333152-A 584 25-DEC-2001;					
JOURNAL Location/Qualifiers					
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QY 744 GGATTATTGATAT 757					
Db 15 GGATTCTTGATCAT 2					
RESULT 278					
AR209754/c					
LOCUS 15 bp DNA linear PAT 20-JUN-2002					
DEFINITION Sequence 5 from patent US 6387366.					
ACCESSION AR209754					
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/mol_type="unassigned DNA"					
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Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;					
QY 755 AATATCGGTCAAGA 768					
Db 14 AATCTGGGTCAACA 1					
RESULT 280					
AX586981					
LOCUS 15 bp DNA linear PAT 10-JAN-2003					
DEFINITION Sequence 3 from Patent WO2072883.					
ACCESSION AX586981					
VERSION AX586981.1 GI:27655856					
KEYWORDS					
SOURCE Prevotella intermedia					
ORGANISM Prevotella intermedia					
REFERENCE Bacteria; Bacteroidetes; Bacteroides (class); Bacteroidales;					
AUTHORS Prevotellaceae; Prevotella.					
TITLE Roetger,A.					
JOURNAL Nucleotide carrier for diagnosing and treating oral diseases					
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REFERENCE Bacteria; Bacteroidetes; Bacteroides (class); Bacteroidales;					
AUTHORS Prevotellaceae; Prevotella.					
TITLE Roetger,A.					
JOURNAL Nucleotide carrier for diagnosing and treating oral diseases					
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AUTHORS Prevotellaceae; Prevotella.					
TITLE Roetger,A.					
JOURNAL Nucleotide carrier for diagnosing and treating oral diseases					
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AUTHORS Prevotellaceae; Prevotella.					
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JOURNAL Nucleotide carrier for diagnosing and treating oral diseases					
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ORGANISM Prevotella intermedia					
REFERENCE Bacteria; Bacteroidetes; Bacteroides (class); Bacteroidales;					
AUTHORS Prevotellaceae; Prevotella.					
TITLE Roetger,A.					
JOURNAL Nucleotide carrier for diagnosing and treating oral diseases					


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QY 706 CCGAAATTCGTGTG 719
Db 1 CCGAAATTCGGG 14

RESULT 284
AR030418
LOCUS AR030418 16 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 43 from patent US 5861271.
ACCESSION AR030418
VERSION AR030418.1 GI:5943632
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 16)
Unclassified.
AUTHORS Fowler,T., Clarkson,K.A., Ward,M., Collier,K.D. and Larenas,B.
TITLE Cellulase enzymes and systems for their expressions
JOURNAL Patent: US 5861271-A 43 19-JAN-1999;
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Query Match 8.9%; Score 10.8; DB 1; Length 16;
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Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGTAATATG 760
Db 1 TTATTGTAATATG 14

RESULT 285
AR054082
LOCUS AR054082 16 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 9 from patent US 5834440.
ACCESSION AR054082
VERSION AR054082.1 GI:5978944
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 16)
Unclassified.
AUTHORS Goldenberg,T. and Tritz,R.
TITLE Ribozyme therapy for the inhibition of restenosis
JOURNAL Patent: US 5834440-A 9 10-NOV-1998;
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/mol_type="unassigned DNA"

Query Match 8.9%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 759 TGGGTCGAAGAGTC 772
Db 3 TGGGTCGAAGAGTC 16

RESULT 286
AR328277/c
LOCUS AR328277 16 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 5679 from patent US 6566127.
ACCESSION AR328277
VERSION AR328277.1 GI:33714085
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 16)
Unclassified.
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.

TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 656127-A 5679 20-MAY-2003;
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Query Match 8.9%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 677 TTTGCAGCGGAAGA 690
Db 15 TTTGCAGCTGTAGA 2

RESULT 287
AX132917
LOCUS AX132917 16 bp DNA linear PAT 15-MAY-2001
DEFINITION Sequence 4135 from Patent WO0130362.
ACCESSION AX132917
VERSION AX132917.1 GI:14139227
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
MAMMALIA; EUTHERIA; PRIMATES; CATARRHINI; HOMINIDAE; HOMO.
REFERENCE
1 Robbins,J.M. and Tritz,R.
AUTHORS Ribozyme therapy for the treatment of proliferative skin and eye
diseases
TITLE Ribozyme therapy for the treatment of proliferative skin and eye
diseases
JOURNAL Patent: WO 0130362-A 4135 03-MAY-2001;
FEATURES
source
1..16
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
/note="Hairpin ribozyme recognition site for cyclin B1"

Query Match 8.9%; Score 10.8; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 759 TGGGTCGAAGAGTC 772
Db 3 TGGGTCGAAGAGTC 16

RESULT 288
AX133147
LOCUS AX133147 16 bp DNA linear PAT 15-MAY-2001
DEFINITION Sequence 4365 from Patent WO0130362.
ACCESSION AX133147
VERSION AX133147.1 GI:14139457
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
MAMMALIA; EUTHERIA; PRIMATES; CATARRHINI; HOMINIDAE; HOMO.
REFERENCE
1 Robbins,J.M. and Tritz,R.
AUTHORS Ribozyme therapy for the treatment of proliferative skin and eye
diseases
TITLE Ribozyme therapy for the treatment of proliferative skin and eye
diseases
JOURNAL Patent: WO 0130362-A 4365 03-MAY-2001;
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
/note="Hammerhead ribozyme recognition site for cyclin B1"
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RIBOZYME PHARMACEUTICALS INC. ADVANCED RESEARCH AND TECHNOLOGY

INSTITUTE INC
 OS Artificial Sequence
 PN JP 2002520051-A/1
 PD 09-JUL-2002
 PF 15-JUL-1999 JP 2000560239
 PR 20-JUL-1998 US 60/093489,26-OCT-1998 US 09/179516 PI
 CHENG C KAO, ROBERT W SIEGEL, LAURENT BELLOIN, LEONID BEIGELMAN PC
 C12N15/09, A61K31/7088, A61K31/7105, A61K31/711, A61K48/00, A61P31/ PC
 12, C12N1/21,
 PC C12N5/10, C12N5/10, C12N15/00, C12N5/00, C12N5/00 CC R&P

Product
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 FT Location/Qualifiers
 1..13 /organism='synthetic construct'
 /mol_type='genomic RNA'
 /db_xref='taxon:32630'

FEATURES

source

Query Match 8.6%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 1.6e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755

DB 13 GGATTATTATA 2

RESULT 298

BD233570 13 bp RNA linear PAT 17-JUL-2003
 LOCUS Use of nucleic acid molecules as antiviral agents.
 DEFINITION BD233570
 ACCESSION BD233570.1 GI:33043340
 VERSION JP 2002520051-A/8.
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM artificial sequences.
 REFERENCE 1 (bases 1 to 13)
 AUTHORS Kao, C.C., Siegel, R.W., Bellon, L. and Beigelman, L.
 TITLE Use of nucleic acid molecules as antiviral agents
 JOURNAL Patent: JP 2002520051-A 8 09-JUL-2002;
 RIBOZYME PHARMACEUTICALS INC, ADVANCED RESEARCH AND TECHNOLOGY
 INSTITUTE INC
 OS Artificial Sequence
 PN JP 2002520051-A/8
 PD 09-JUL-2002
 PF 15-JUL-1999 JP 2000560239
 PR 20-JUL-1998 US 60/093489,26-OCT-1998 US 09/179516 PI
 CHENG C KAO, ROBERT W SIEGEL, LAURENT BELLOIN, LEONID BEIGELMAN PC
 C12N15/09, A61K31/7088, A61K31/7105, A61K31/711, A61K48/00, A61P31/ PC
 12, C12N1/21,
 PC C12N5/10, C12N5/10, C12N15/00, C12N5/00, C12N5/00 CC Proscript
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Query Match 8.6%; Score 10.4; DB 1; Length 13;
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QY 744 GGATTATTGATA 755

DB 1 GGATTATTATA 12

RESULT 299

BD268983 13 bp DNA linear PAT 17-JUL-2003
 LOCUS Banana promoter and melon promoter for expression of transgene in
 DEFINITION Plant.
 ACCESSION BD268983
 VERSION BD268983.1 GI:33078751
 KEYWORDS JP 2002539779-A/9.
 SOURCE synthetic construct
 ORGANISM synthetic construct
 REFERENCE 1 (bases 1 to 13)
 AUTHORS Clendennen, S.K., Kellogg, J.A., Phan, C.B., Mathews, H.V. and
 Webb, N.N.
 TITLE Banana promoter and melon promoter for expression of transgene in
 JOURNAL EXELIXIS PLANT SCIENCES INC
 COMMENT OS Artificial Sequence
 PN JP 2002539779-A/9
 PD 26-NOV-2002
 PF 17-MAR-2000 JP 2000606722
 PR 19-MAR-1999 US 60/125310
 PI STEPHANIE K CLENDENNEN, JILL A KELLOGG, CHAU B PHAN, HELENA V PI
 MATHEWS,
 PI NANCY M WEBB
 PC C12N15/09, A01H1/00, C12N5/10, C12Q1/68// (C12N5/10, C12R1:91), PC
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 PC C12N5/00, (C12N5/00, C12R1:91)
 CC oligonucleotide primer
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 /mol_type='genomic DNA'
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Query Match 8.6%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 1.6e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 656 AGCTTTGGACAG 667

DB 2 AGCTTTGGTCAG 13

RESULT 300

BD273346 13 bp DNA linear PAT 17-JUL-2003
 LOCUS Adenovirus derived gene delivery vehicles comprising at least one
 DEFINITION element of adenovirus type 35.
 ACCESSION BD273346
 VERSION BD273346.1 GI:33083114
 KEYWORDS JP 2002543846-A/42.
 SOURCE Adenoviridae
 ORGANISM Adenoviridae
 REFERENCE 1 (bases 1 to 13)
 AUTHORS Bout, A., Havganga, M.J.E. and Vogels, R.
 TITLE Adenovirus derived gene delivery vehicles comprising at least one
 JOURNAL element of adenovirus type 35
 Patent: JP 2002543846-A 42 24-DEC-2002;
 CRUCCELL HOLLAND BV
 OS Adenoviridae
 PN JP 2002543846-A/42
 PD 24-DEC-2002
 PF 16-MAY-2000 JP 2000618477
 PR 17-MAY-1999 EP 99201545.3
 PI ABRAHAM BOUT, MENZO JANS, EMCO HAVANGA, RONALD VOGELS PC
 C12N15/09, A61K35/16, A61K48/00, A61P43/00, C12N5/10, C12N15/00, PC
 C12N5/00

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CC /note=Partial sequence of an adenovirus ITR' FH Key
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Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATTAAT 757
Db 13 ATTATTGATGAT 2

RESULT 301
I21117/c
LOCUS I21117 13 bp DNA linear PAT 07-OCT-1996
DEFINITION Sequence 12 from patent US 5518884.
ACCESSION I21117
VERSION I21117.1 GI:1601471
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Spears,P.A. and Shank,D.D.
TITLE Nucleic acid sequences specific for mycobacterium kansasii
JOURNAL Patent: US 5518884-A 12 21-MAY-1996;
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Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 680 GCAGCGGAGGAT 691
Db 13 GCAGCGGAGGAT 2

RESULT 302
AR221993
LOCUS AR221993 13 bp DNA linear PAT 26-SEP-2002
DEFINITION Sequence 2 from patent US 6428394.
ACCESSION AR221993
VERSION AR221993.1 GI:23329319
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Thompson,R.F., Goni,H. and Sun,W.
TITLE cDNA, genomic, and predicted protein sequences of learning-induced kinases
JOURNAL Patent: US 6428394-A 2 06-AUG-2002;
FEATURES
  source
    /organism="unknown"
    /mol_type="genomic DNA"

Query Match
Best Local Similarity 8.6%; Score 10.4; DB 1; Length 13;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 656 AGCTTTGGACAG 667
Db 2 AGCTTTGGTCAG 13

CC /note=Partial sequence of an adenovirus ITR' FH Key
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  Location/Qualifiers
  1. .13
  /organism="Adenoviridae"
  /mol_type="genomic DNA"
  /db_xref="taxon:10508"

Query Match
Best Local Similarity 8.6%; Score 10.4; DB 1; Length 13;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATTAAT 757
Db 13 ATTATTGATGAT 2

RESULT 301
I21117/c
LOCUS I21117 13 bp DNA linear PAT 07-OCT-1996
DEFINITION Sequence 12 from patent US 5518884.
ACCESSION I21117
VERSION I21117.1 GI:1601471
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Spears,P.A. and Shank,D.D.
TITLE Nucleic acid sequences specific for mycobacterium kansasii
JOURNAL Patent: US 5518884-A 12 21-MAY-1996;
FEATURES
  source
    /organism="unknown"
    /mol_type="unassigned DNA"

Query Match
Best Local Similarity 8.6%; Score 10.4; DB 1; Length 13;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 680 GCAGCGGAGGAT 691
Db 13 GCAGCGGAGGAT 2

RESULT 302
AR221993
LOCUS AR221993 13 bp DNA linear PAT 26-SEP-2002
DEFINITION Sequence 2 from patent US 6428394.
ACCESSION AR221993
VERSION AR221993.1 GI:23329319
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Thompson,R.F., Goni,H. and Sun,W.
TITLE cDNA, genomic, and predicted protein sequences of learning-induced kinases
JOURNAL Patent: US 6428394-A 2 06-AUG-2002;
FEATURES
  source
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    /mol_type="genomic DNA"

Query Match
Best Local Similarity 8.6%; Score 10.4; DB 1; Length 13;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 656 AGCTTTGGACAG 667
Db 2 AGCTTTGGTCAG 13

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RESULT 303
AR266623
LOCUS AR266623 13 bp DNA linear PAT 10-APR-2003
DEFINITION Sequence 61 from patent US 6495319.
ACCESSION AR266623
VERSION AR266623.1 GI:29695687
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS McClelland,M., Welsh,J. and Trenkle,T.
TITLE Reduced complexity nucleic acid targets and methods of using same
JOURNAL Patent: US 6495319-A 61 17-DEC-2002;
FEATURES
  source
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    /mol_type="genomic DNA"

Query Match
Best Local Similarity 8.6%; Score 10.4; DB 1; Length 13;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 656 AGCTTTGGACAG 667
Db 2 AGCTTTGGTCAG 13

RESULT 304
AR391078
LOCUS AR391078 13 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 3 from patent US 6613508.
ACCESSION AR391078
VERSION AR391078.1 GI:40114492
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Ness,J.V., Tabone,J.C., Howbert,J.J. and Mulligan,J.T.
TITLE Methods and compositions for analyzing nucleic acid molecules utilizing sizing techniques
JOURNAL Patent: US 6613508-A 3 02-SEP-2003;
FEATURES
  source
    /organism="unknown"
    /mol_type="genomic DNA"

Query Match
Best Local Similarity 8.6%; Score 10.4; DB 1; Length 13;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 656 AGCTTTGGACAG 667
Db 2 AGCTTTGGTCAG 13

RESULT 305
AR429371
LOCUS AR429371 13 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 9 from patent US 6642438.
ACCESSION AR429371
VERSION AR429371.1 GI:40189564
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Clendennen,S.K., Kellogg,J.A., Phan,C.B., Mathews,H.V. and Webb,N.M.
TITLE Melon promoters for expression of transgenes in plants

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JOURNAL Patent: US 6642438-A 9 04-NOV-2003;
FEATURES Location/Qualifiers
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/organism="unknown"
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Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 656 AGCTTTGGACAG 667
Db 2 AGCTTTGGTCAG 13

RESULT 306
AX007493
LOCUS 13 bp DNA linear PAT 06-SEP-2000
DEFINITION Sequence 35 from Patent WO9967428.
ACCESSION AX007493
VERSION AX007493.1 GI:9995190
KEYWORDS
SOURCE
ORGANISM
Aids-associated retrovirus
Aids-associated retrovirus
Viruses; Retrovird viruses; Retroviridae.
REFERENCE
1
AUTHORS
TITLE
METHOD for detection of drug-selected mutations in the hiv protease
JOURNAL
INNOGENETICS NV (BE); STUYVER LIEVEN (BE)
FEATURES
source
1..13
/organism="Aids-associated retrovirus"
/mol_type="unassigned DNA"
/db_xref="taxon:11966"

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 682 ACCGGAAGATAC 693
Db 1 AGCGGATGATAC 12

RESULT 307
AX049941/c
LOCUS 13 bp DNA linear PAT 12-JAN-2001
DEFINITION Sequence 42 from Patent WO0070071.
ACCESSION AX049941
VERSION AX049941.1 GI:12226318
KEYWORDS
SOURCE
ORGANISM
Adenoviridae
Adenoviridae
Viruses; dsDNA viruses, no RNA stage.
REFERENCE
1
AUTHORS
TITLE
Bout, A., Havenga, M.J. and Vogels, R.
Adenovirus derived gene delivery vehicles comprising at least one
element of adenovirus type 35
JOURNAL
Patent: WO 0070071-A 42 23-NOV-2000;
Introgene B.V. (NL)
FEATURES
source
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/mol_type="unassigned DNA"
/db_xref="taxon:10508"
misc_feature
1..13
/notes="Partial sequence of an adenovirus ITR"

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

JOURNAL Patent: US 6642438-A 9 04-NOV-2003;
FEATURES Location/Qualifiers
source
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/organism="unknown"
/mol_type="genomic DNA"

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
Db 13 ATTATTGATGAT 2

RESULT 308
AX063385/c
LOCUS 13 bp DNA linear PAT 24-JAN-2001
DEFINITION Sequence 5 from Patent WO0078986.
ACCESSION AX063385
VERSION AX063385.1 GI:12541175
KEYWORDS
SOURCE
ORGANISM
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
Darteil, R., Crouzet, J., Staels, B. and Mahfoudi, A.
Regulation system of expression using nuclear ppar receptors
TITLE
Patent: WO 0078986-A 5 28-DEC-2000;
Aventis Pharma S.A. (FR)
JOURNAL
FEATURES
source
1..13
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 729 GACCTTTTACCT 740
Db 12 GACCTTTGACCT 1

RESULT 309
AX127442
LOCUS 13 bp DNA linear PAT 15-MAY-2001
DEFINITION Sequence 85 from Patent WO0130999.
ACCESSION AX127442
VERSION AX127442.1 GI:14133968
KEYWORDS
SOURCE
ORGANISM
Bruguiera gymnorhiza
Bruguiera gymnorhiza
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids 1; Malpighiales; Rhizophoraceae; Bruguiera.
REFERENCE
1
AUTHORS
Karube, I. and Hanagata, N.
Salt tolerance genes
TITLE
Patent: WO 0130999-A 85 03-MAY-2001;
EBARA CORPORATION (JP)
JOURNAL
FEATURES
source
1..13
Location/Qualifiers
/organism="Bruguiera gymnorhiza"
/mol_type="unassigned DNA"
/db_xref="taxon:3984"
/notes="Artificially Synthesized Primer Sequence"

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 656 AGCTTTGGACAG 667
Db 2 AGCTTTGGTCAG 13

RESULT 310
AX253414
LOCUS 13 bp DNA linear PAT 10-OCT-2001

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DEFINITION Sequence 26 from Patent WO0171013.
ACCESSION AX253414
VERSION AX253414.1 GI:16073948
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Clendennen,S.K. and Kellogg,J.A.
TITLE Patent promoters for expression of transgenes in plants
JOURNAL Patent: WO 0171013-A 26 27-SEP-2001;
EXELIXIS Plant Sciences, Inc. (US)
FEATURES Location/Qualifiers
source 1..13
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 656 AGCTTTGGACAG 667
|||||
Db 2 AGCTTTGGTCAG 13

RESULT 311
AX391470
LOCUS AX391470
DEFINITION Sequence 6 from Patent WO0216632.
ACCESSION AX391470
VERSION AX391470.1 GI:19700080
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Brodin,P. and Thelin,A.
TITLE Pharmaceutical compositions comprising a modulator of adams-1
JOURNAL Patent: WO 0216632-A 6 28-FEB-2002;
Astrazeneca AB (SE)
FEATURES Location/Qualifiers
source 1..13
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="PCR primer"

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 656 AGCTTTGGACAG 667
|||||
Db 2 AGCTTTGGTCAG 13

RESULT 312
AX394757
LOCUS AX394757
DEFINITION Sequence 8 from Patent WO0218568.
ACCESSION AX394757
VERSION AX394757.1 GI:21065836
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Brodin,P. and Thelin,A.
TITLE Molecules involved in the regulation of insulin resistance syndrome (irs)

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 656 AGCTTTGGACAG 667
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Db 2 AGCTTTGGTCAG 13

RESULT 313
AX394788
LOCUS AX394788
DEFINITION Sequence 12 from Patent WO0218421.
ACCESSION AX394788
VERSION AX394788.1 GI:21065862
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Brodin,P. and Thelin,A.
TITLE Human and mouse e2-protein, nucleic acids coding therefor and uses thereof
JOURNAL Patent: WO 0218421-A 12 07-MAR-2002;
Astrazeneca AB (SE)
FEATURES Location/Qualifiers
source 1..13
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="H-AP-3"

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 656 AGCTTTGGACAG 667
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Db 2 AGCTTTGGTCAG 13

RESULT 314
BD064921/c
LOCUS BD064921/c
DEFINITION Method for detecting the extent of binding of transcriptional regulatory protein to oligoDNA.
ACCESSION BD064921
VERSION BD064921.1 GI:22610524
KEYWORDS JP 2001275678-A/133.
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 13)
AUTHORS Kishimoto,T., Niwa,S., Mori,Y., Sachiyo, Mimaki, Fukushima,R. and Nishikawa,K.
TITLE Method for detecting the extent of binding of transcriptional regulatory protein to oligoDNA
JOURNAL Patent: JP 2001275678-A 133 09-OCT-2001;
COMMENT SUMITOMO ELECTRIC INDUSTRIES LTD
OS Artificial Sequence
PN JP 2001275678-A/133
PD 09-OCT-2001
PF 31-MAR-2000 JP 2000096306
PI TOSHIHIKO KISHIMOTO,SHINICHIRO NIWA,YUKO MORI,SACHIYO PI


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MIMAKI,REI,FUKUSHIMA,
PI KAZUKO,NISHIKAWA
PC C12N15/09,C12N5/10,C12Q1/00,C12Q1/68,C12N15/00,C12N5/00
SYNTHETIC DNA
FH Key Location/Qualifiers
FT source 1..13
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1..13
Location/Qualifiers
/organism='synthetic construct'
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/db_xref='taxon:32630'
Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 729 GACCTTTTACCT 740
DB 12 GACCTTTGACCT 1
|||||
RESULT 315
BD065387 13 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD065387
VERSION BD065387.1 GI:22610990
KEYWORDS JP 2001511000-A/22.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 13)
AUTHORS Schlengensiepen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 22 07-AUG-2001;
COMMENT BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
OS Unknown
PN JP 2001511000-A/22
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGSIEPEN,WOLFGANG BRYSCH
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
Location/Qualifiers
FT source 1..13
/organism='Unknown'.
FEATURES
source
1..13
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/organism='unidentified'
/mol_type='genomic DNA'
/db_xref='taxon:32644'
Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 732 CTTTACCTTGA 743
DB 2 CTTTAACTTGA 13
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RESULT 316
BD232938 14 bp DNA linear PAT 17-JUL-2003
DEFINITION Method of detecting mutation selected by drug in HIV protease gene.
ACCESSION BD232938
VERSION BD232938.1 GI:33042708
KEYWORDS JP 2002518065-A/34.
SOURCE Aids-associated retrovirus
ORGANISM Aids-associated retrovirus
Viruses; Retrovid viruses; Retroviridae.

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1 (bases 1 to 14)
Stuyver,L.
Method of detecting mutation selected by drug in HIV protease gene
Patent: JP 2002518065-A 34 25-JUN-2002;
INNOGENETICS NV
OS Aids-associated retrovirus
PN JP 2002518065-A/34
PD 25-JUN-2002
PF 22-JUN-1999 JP 2000556068
PR 24-JUN-1998 EP 98870143.9
PI LIEVEN STUYVER
PC C12N15/09,C12Q1/68,C12Q1/70,C12N15/00
CC Method of detecting mutation selected by drug in HIV protease
gene
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FT source 1..14
/organism='Aids-associated retrovirus'.
FEATURES
source
1..14
Location/Qualifiers
/organism='Aids-associated retrovirus'
/mol_type='genomic DNA'
/db_xref='taxon:11966'
Query Match 8.6%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 682 AGCGGAGATAC 693
DB 2 AGCGGATGATAC 13
|||||
RESULT 317
BD233341 14 bp DNA linear PAT 17-JUL-2003
DEFINITION Method of detecting mutation selected by drug in HIV protease gene.
ACCESSION BD233341
VERSION BD233341.1 GI:33043111
KEYWORDS JP 2002518065-A/437.
SOURCE Aids-associated retrovirus
ORGANISM Aids-associated retrovirus
Viruses; Retrovid viruses; Retroviridae.
REFERENCE 1 (bases 1 to 14)
AUTHORS Stuyver,L.
TITLE Method of detecting mutation selected by drug in HIV protease gene
JOURNAL Patent: JP 2002518065-A 437 25-JUN-2002;
INNOGENETICS NV
OS Aids-associated retrovirus
PN JP 2002518065-A/437
PD 25-JUN-2002
PF 22-JUN-1999 JP 2000556068
PR 24-JUN-1998 EP 98870143.9
PI LIEVEN STUYVER
PC C12N15/09,C12Q1/68,C12Q1/70,C12N15/00
CC Method of detecting mutation selected by drug in HIV protease
gene
FH Key Location/Qualifiers
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/organism='Aids-associated retrovirus'.
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source
1..14
Location/Qualifiers
/organism='Aids-associated retrovirus'
/mol_type='genomic DNA'
/db_xref='taxon:11966'
Query Match 8.6%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 755 AATATGGGTCAA 766
DB 13 AATCTGGGTCAA 2
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FEATURES	source	FT	Location/Qualifiers	Organization/Qualifiers	Sequence	Score	DB	Length	Mismatches	Indels	Gaps
RESULT 318											
BD233567											
LOCUS											
DEFINITION											
ACCESSION											
VERSION											
KEYWORDS											
SOURCE											
ORGANISM											
REFERENCE											
AUTHORS											
TITLE											
JOURNAL											
COMMENT											
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PD											
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FEATURES	source	FT	Location/Qualifiers	Organism/Qualifiers	Artificial Sequence
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DEFINITION					
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VERSION					
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REFERENCE					
AUTHORS					
TITLE					
JOURNAL					
COMMENT					
OS					
PN					
PD					
PF					
PP					
PR					
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PT					
FT					
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Query Match					
Best Local Similarity					
Matches					
Query					
Db					
RESULT 319					
BD233568					
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DEFINITION					
ACCESSION					
VERSION					
KEYWORDS					
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ORGANISM					
REFERENCE					
AUTHORS					
TITLE					
JOURNAL					
COMMENT					
OS					
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PD					
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PR					
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FT					
FEATURES					
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Query Match					
Best Local Similarity					
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Query					
Db					
RESULT 320					
BD233569					
LOCUS					
DEFINITION					
ACCESSION					
VERSION					
KEYWORDS					
SOURCE					
ORGANISM					
REFERENCE					
AUTHORS					
TITLE					
JOURNAL					
COMMENT					
OS					
PN					
PD					
PF					
PP					
PR					
PS					
PT					
FT					
FEATURES					
source					
Query Match					
Best Local Similarity					
Matches					
Query					
Db					
RESULT 321					
BD233570					
LOCUS					
DEFINITION					
ACCESSION					
VERSION					
KEYWORDS					
SOURCE					
ORGANISM					
REFERENCE					
AUTHORS					
TITLE					
JOURNAL					
COMMENT					
OS					
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PF					
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PS					
PT					
FT					
FEATURES					
source					
Query Match					
Best Local Similarity					
Matches					
Query					
Db					
RESULT 322					
BD233571					
LOCUS					

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Db      ||||| |||||
2 AGCGATGATAC 13

RESULT 322
AX007895/c      14 bp DNA linear PAT 06-SEP-2000
LOCUS
DEFINITION Sequence 437 from Patent WO9967428.
ACCESSION AX007895
VERSION AX007895.1 GI:9995592
KEYWORDS Aids-associated retrovirus
SOURCE Aids-associated retrovirus
ORGANISM Aids-associated retrovirus; Retroviridae.
REFERENCE 1
AUTHORS Stuyver, L.
TITLE Method for detection of drug-selected mutations in the hiv protease
JOURNAL gene
PATENT: WO 9967428-A 437 29-DEC-1999;
INNOGENETICS NV (BE); STUYVER LIEVEN (BE)
FEATURES
source
1..14
/organism="Aids-associated retrovirus"
/mol_type="unassigned DNA"
/db_xref="taxon:11966"

Query Match 8.6%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCAA 766
Db 13 AATCTGGGTCAA 2

RESULT 323
AR071834
LOCUS
DEFINITION Sequence 25 from patent US 5912148.
ACCESSION AR071834
VERSION AR071834.1 GI:7222722
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Eggerding, F.
TITLE Coupled amplification and ligation method
JOURNAL Patent: US 5912148-A 25 15-JUN-1999;
FEATURES
source
1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 661 TGGACAGAGGGT 672
Db 2 TGGCCAGAGGGT 13

RESULT 324
AR093145/c      15 bp DNA linear PAT 08-SEP-2000
LOCUS
DEFINITION Sequence 2 from patent US 5998598.
ACCESSION AR093145
VERSION AR093145.1 GI:10019897
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 15)
AUTHORS Eggerding, F.
TITLE Coupled amplification and ligation method
JOURNAL Patent: US 5912148-A 25 15-JUN-1999;
FEATURES
source
1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 661 TGGACAGAGGGT 672
Db 2 TGGCCAGAGGGT 13

REFERENCE 1 (bases 1 to 15)
AUTHORS Csaky, K.G., Anglade, E., Sullivan, D.M. and LaRoche, W.
TITLE Immunoadhesins and methods of production and use thereof
JOURNAL Patent: US 5998598-A 2 07-DEC-1999;
FEATURES
source
1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 725 TCTAGACCTTTT 736
Db 15 TCTAGACCTTTT 4

RESULT 325
AR112574
LOCUS
DEFINITION Sequence 25 from patent US 6130073.
ACCESSION AR112574
VERSION AR112574.1 GI:14092474
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Eggerding, F.
TITLE Coupled amplification and ligation method
JOURNAL Patent: US 6130073-A 25 10-OCT-2000;
FEATURES
source
1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 661 TGGACAGAGGGT 672
Db 2 TGGCCAGAGGGT 13

RESULT 326
I61576
LOCUS
DEFINITION Sequence 130 from patent US 5658780.
ACCESSION I61576
VERSION I61576.1 GI:2479524
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb, D.T., Draper, K.G. and McSwiggen, J.
TITLE Rel a targeted ribozymes
JOURNAL Patent: US 5658780-A 130 19-AUG-1997;
FEATURES
source
1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATAA 756
Db 3 GATTATTGATAA 14

```

```
RESULT 327
LOCUS      161577      15 bp      DNA      linear      PAT 07-OCT-1997
DEFINITION Sequence 131 from patent US 5658780.
ACCESSION  161577
VERSION    161577.1 GI:2479525
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unclassified.
REFERENCE  1 (bases 1 to 15)
AUTHORS   Stinchcomb,D.T., Draper,K.G. and McSwiggen,J.
TITLE     Rel a targeted ribozymes
JOURNAL   Patent: US 5658780-A 131 19-AUG-1997;
FEATURES   Location/Qualifiers
            source
            1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 GATTATTGATAA 756
Db      2 GATTTTGATAA 13

RESULT 328
LOCUS      AR180131      15 bp      DNA      linear      PAT 20-APR-2002
DEFINITION Sequence 199 from patent US 6333152.
ACCESSION  AR180131
VERSION    AR180131.1 GI:20222164
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unclassified.
REFERENCE  1 (bases 1 to 15)
AUTHORS   Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE     Gene expression profiles in normal and cancer cells
JOURNAL   Patent: US 6333152-A 199 25-DEC-2001;
FEATURES   Location/Qualifiers
            source
            1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGGTTTACTTTG 680
Db      4 GGCTTTACTTTG 15

RESULT 329
LOCUS      AR180222/c      15 bp      DNA      linear      PAT 20-APR-2002
DEFINITION Sequence 290 from patent US 6333152.
ACCESSION  AR180222
VERSION    AR180222.1 GI:20222255
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unclassified.
REFERENCE  1 (bases 1 to 15)
AUTHORS   Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE     Gene expression profiles in normal and cancer cells
JOURNAL   Patent: US 6333152-A 290 25-DEC-2001;
FEATURES   Location/Qualifiers
            source
            1..15
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/organism="unknown"
/mol_type="unassigned DNA"

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      714 GCTGTGGCCAT 725
Db      13 GATGTGGCCAT 2

RESULT 330
LOCUS      AR201960      15 bp      DNA      linear      PAT 20-APR-2002
DEFINITION Sequence 37 from patent US 6361944.
ACCESSION  AR201960
VERSION    AR201960.1 GI:20256499
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unclassified.
REFERENCE  1 (bases 1 to 15)
AUTHORS   Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J. and
            Elghanian,R.
TITLE     Nanoparticles having oligonucleotides attached thereto and uses
JOURNAL   Patent: US 6361944-A 37 26-MAR-2002;
FEATURES   Location/Qualifiers
            source
            1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGATA 755
Db      12 GGATTATTGTTA 1

RESULT 331
LOCUS      AR218055/c      15 bp      DNA      linear      PAT 25-SEP-2002
DEFINITION Sequence 37 from patent US 6417340.
ACCESSION  AR218055
VERSION    AR218055.1 GI:23318460
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unclassified.
REFERENCE  1 (bases 1 to 15)
AUTHORS   Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J. and
            Elghanian,R.
TITLE     Nanoparticles having oligonucleotides attached thereto and uses
JOURNAL   Patent: US 6417340-A 37 09-JUL-2002;
FEATURES   Location/Qualifiers
            source
            1..15
            /organism="unknown"
            /mol_type="genomic DNA"

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGATA 755
Db      12 GGATTATTGTTA 1

RESULT 332
LOCUS      AR180222/c      15 bp      DNA      linear      PAT 20-APR-2002
DEFINITION Sequence 290 from patent US 6333152.
ACCESSION  AR180222
VERSION    AR180222.1 GI:20222255
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unclassified.
REFERENCE  1 (bases 1 to 15)
AUTHORS   Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE     Gene expression profiles in normal and cancer cells
JOURNAL   Patent: US 6333152-A 290 25-DEC-2001;
FEATURES   Location/Qualifiers
            source
            1..15
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AR266699/c
LOCUS AR266699 15 bp DNA linear PAT 10-APR-2003
DEFINITION Sequence 37 from patent US 6495324.
ACCESSION AR266699
VERSION AR266699.1 GI:29695769
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 15)
AUTHORS Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J. and Elghanian,R.
TITLE Nanoparticles having oligonucleotides attached thereto and uses therefor
JOURNAL Patent: US 6495324-A 37 17-DEC-2002;
FEATURES
source
Location/Qualifiers
1..15
/mol_type="genomic DNA"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
Db |||||||
12 GGATTATTGTTA 1

RESULT 333
AR274376/c
LOCUS AR274376 15 bp DNA linear PAT 10-APR-2003
DEFINITION Sequence 37 from patent US 6506564.
ACCESSION AR274376
VERSION AR274376.1 GI:29706822
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 15)
AUTHORS Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J., Elghanian,R. and Taton,T.A.
TITLE Nanoparticles having oligonucleotides attached thereto and uses therefor
JOURNAL Patent: US 6506564-A 37 14-JAN-2003;
FEATURES
source
Location/Qualifiers
1..15
/mol_type="genomic DNA"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
Db |||||||
12 GGATTATTGTTA 1

RESULT 334
AR344918/c
LOCUS AR344918 15 bp DNA linear PAT 17-AUG-2003
DEFINITION Sequence 37 from patent US 6582921.
ACCESSION AR344918
VERSION AR344918.1 GI:33740999
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 15)
AUTHORS Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J., Elghanian,R. and Taton,T.A.
TITLE Nanoparticles having oligonucleotides attached thereto and uses therefor
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thereof
JOURNAL Patent: US 6582921-A 37 24-JUN-2003;
FEATURES
source
Location/Qualifiers
1..15
/mol_type="genomic DNA"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
Db |||||||
12 GGATTATTGTTA 1

RESULT 335
AR374554/c
LOCUS AR374554 15 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 1 from patent US 6605451.
ACCESSION AR374554
VERSION AR374554.1 GI:40077323
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 15)
AUTHORS Marmaro,J.M. and Gerdes,J.C.
TITLE Methods and devices for multiplexing amplification reactions
JOURNAL Patent: US 6605451-A 1 12-AUG-2003;
FEATURES
source
Location/Qualifiers
1..15
/mol_type="genomic DNA"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 712 TTGCTGTGGGCC 723
Db |||||||
15 TTGCTGTGGGCC 4

RESULT 336
AR382294/c
LOCUS AR382294 15 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 37 from patent US 6610491.
ACCESSION AR382294
VERSION AR382294.1 GI:40090706
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 15)
AUTHORS Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J., Elghanian,R. and Taton,T.A.
TITLE Nanoparticles having oligonucleotides attached thereto and uses therefor
JOURNAL Patent: US 6610491-A 37 26-AUG-2003;
FEATURES
source
Location/Qualifiers
1..15
/mol_type="genomic DNA"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
Db |||||||
12 GGATTATTGTTA 1
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RESULT 337
AR429635/c
LOCUS      15 bp      DNA      linear      PAT 18-DEC-2003
DEFINITION Sequence 37 from patent US 6645721.
ACCESSION  AR429635
VERSION     AR429635.1 GI:40189931
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unclassified.
REFERENCE  1 (bases 1 to 15)
AUTHORS   Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
           Eghanian,R. and Taton,T.A.
TITLE     Nanoparticles having oligonucleotides attached thereto and uses
           therefor
JOURNAL   Patent: US 6645721-A 37 11-NOV-2003;
FEATURES   Location/Qualifiers
            source
            1..15
            /organism="unknown"
            /mol_type="genomic DNA"

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      744 GGATTATTGATA 755
Db      12 GGATTATTGTTA 1

RESULT 338
AX196206/c
LOCUS      15 bp      DNA      linear      PAT 28-AUG-2001
DEFINITION Sequence 37 from Patent WO0151865.
ACCESSION  AX196206
VERSION     AX196206.1 GI:15386409
KEYWORDS   synthetic construct
SOURCE     synthetic construct
ORGANISM   artificial sequences.
REFERENCE  1
AUTHORS   Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
           Eghanian,R., Taton,T.A. and Li,Z.
TITLE     Nanoparticles having oligonucleotides attached thereto and uses
           therefor
JOURNAL   Patent: WO 0151665-A 37 19-JUL-2001;
           Nanosphere, Inc. (US)
FEATURES   Location/Qualifiers
            source
            1..15
            /organism="synthetic construct"
            /mol_type="unassigned DNA"
            /db_xref="taxon:32630"
            /note="random synthetic sequence"

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      744 GGATTATTGATA 755
Db      12 GGATTATTGTTA 1

RESULT 339
AX377352/c
LOCUS      15 bp      DNA      linear      PAT 18-MAR-2002
DEFINITION Sequence 16 from Patent WO0212499.
ACCESSION  AX377352
VERSION     AX377352.1 GI:19573638
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE  1
AUTHORS   Klem,S.E., Koshy,B. and Lauz,E.M.
TITLE     Haplotypes of the ntf3 gene
JOURNAL   Patent: WO 0212499-A 16 14-FEB-2002;
           Genasance Pharmaceuticals, Inc. (US)
FEATURES   Location/Qualifiers
            source
            1..15
            /organism="Homo sapiens"
            /mol_type="unassigned DNA"
            /db_xref="taxon:9606"

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 78.6%; Pred. No. 1.8e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      745 GATTATTGATAAATA 758
Db      15 GRTATTGATGATA 2

RESULT 340
AX429983/c
LOCUS      15 bp      DNA      linear      PAT 21-JUN-2002
DEFINITION Sequence 1 from Patent WO0194634.
ACCESSION  AX429983
VERSION     AX429983.1 GI:21541132
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS   Marmaro,J.M. and Gerdes,J.C.
TITLE     Methods and devices for multiplexing amplification reactions
JOURNAL   Patent: WO 0194634-A 1 13-DEC-2001;
           Biopool International, Inc. (US)
FEATURES   Location/Qualifiers
            source
            1..15
            /organism="Homo sapiens"
            /mol_type="unassigned DNA"
            /db_xref="taxon:9606"

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      712 TTGCTGTGGGCC 723
Db      15 TTGCTGTGGGCC 4

RESULT 341
AX440107/c
LOCUS      15 bp      DNA      linear      PAT 28-JUN-2002
DEFINITION Sequence 37 from Patent WO0173123.
ACCESSION  AX440107
VERSION     AX440107.1 GI:21664918
KEYWORDS   synthetic construct
SOURCE     synthetic construct
ORGANISM   artificial sequences.
REFERENCE  1
AUTHORS   Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
           Eghanian,R., Taton,T.A., Park,S.J. and Li,Z.
TITLE     Nanoparticles having oligonucleotides attached thereto and uses
           therefor
JOURNAL   Patent: WO 0173123-A 37 04-OCT-2001;
           Nanosphere, Inc. (US)
FEATURES   Location/Qualifiers
            source
            1..15
            /organism="synthetic construct"

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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="random synthetic sequence"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
|||||
Db 12 GGATTATTGTTA 1

RESULT 342
LOCUS AX465293 15 bp DNA linear PAT 16-JUL-2002
DEFINITION Sequence 37 from Patent WO0218643.
ACCESSION AX465293
VERSION AX465293.1 GI:21899656

KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.

REFERENCE 1
AUTHORS Mirkin, C.A., Letsinger, R.L., Mucic, R.C., Storbhoff, J.J.,
Elghanian, R., Taton, T.A., Garimella, V., Li, Z. and Park, S.J.
TITLE Nanoparticles having oligonucleotides attached thereto and uses
thereof

JOURNAL Patent: WO 0218643-A 37 07-MAR-2002;
Nanosphere, Inc. (US)

FEATURES
source
1..15
Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="random synthetic sequence"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
|||||
Db 12 GGATTATTGTTA 1

RESULT 343
LOCUS AX556106 15 bp DNA linear PAT 27-NOV-2002
DEFINITION Sequence 37 from Patent WO0246472.
ACCESSION AX556106
VERSION AX556106.1 GI:25899488

KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.

REFERENCE 1
AUTHORS Mirkin, C.A., Letsinger, R.L., Mucic, R.C., Storbhoff, J.J.,
Elghanian, R., Taton, T.A., Garimella, V., Li, Z. and Park, S.J.
TITLE Nanoparticles having oligonucleotides attached thereto and uses
thereof

JOURNAL Patent: WO 0246472-A 37 13-JUN-2002;
Nanosphere, Inc. (US)

FEATURES
source
1..15
Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="random synthetic sequence"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
|||||
Db 12 GGATTATTGTTA 1

RESULT 344
LOCUS AX635904 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 3043 from Patent EP1260586.
ACCESSION AX635904
VERSION AX635904.1 GI:28471518

KEYWORDS unidentified
SOURCE unidentified
ORGANISM unclassified.

REFERENCE 1
AUTHORS Stinchcomb, D.T., Dudycz, L.W., Chowrira, B., Grimm, S., Drenzo, A.,
Karpeisky, A., Draper, K.G., Kisich, K., Matulic-Adamic, J.,
Mewiggen, J.A., Modak, A., Pavco, P., Beigelman, L., Sullivan, S.M.,
Sweedler, D., Thompson, J.D., Tracz, D., Usman, N., Wincott, F.E. and
Woolf, T.

TITLE Method and reagent for inhibiting the expression of disease related
genes

JOURNAL Patent: EP 1260586-A 3043 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)

FEATURES
source
1..15
Location/Qualifiers
/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATAA 756
|||||
Db 3 GATTATTGATAA 14

RESULT 345
LOCUS AX635906 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 3045 from Patent EP1260586.
ACCESSION AX635906
VERSION AX635906.1 GI:28471520

KEYWORDS unidentified
SOURCE unidentified
ORGANISM unclassified.

REFERENCE 1
AUTHORS Stinchcomb, D.T., Dudycz, L.W., Chowrira, B., Grimm, S., Drenzo, A.,
Karpeisky, A., Draper, K.G., Kisich, K., Matulic-Adamic, J.,
Mewiggen, J.A., Modak, A., Pavco, P., Beigelman, L., Sullivan, S.M.,
Sweedler, D., Thompson, J.D., Tracz, D., Usman, N., Wincott, F.E. and
Woolf, T.

TITLE Method and reagent for inhibiting the expression of disease related
genes

JOURNAL Patent: EP 1260586-A 3045 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)

FEATURES
source
1..15
Location/Qualifiers
/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATAA 756
|||||

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Db          2 GATTTTGTATAA 13

RESULT 346
BD208372/c
LOCUS
DEFINITION
Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection.
ACCESSION
BD208372.1 GI:33018142
VERSION
JP 2002512791-A/1962.
KEYWORDS
unidentified
SOURCE
unclassified.
ORGANISM
1 (bases 1 to 15)
REFERENCE
Blatt, L., McSwiggen, J.A., Roberts, E., Pavco, P.A. and Macejak, D.
Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection
Patent: JP 2002512791-A 1962 08-MAY-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT
OS Hepatitis virus (hepatitis C virus)
PN JP 2002512791-A/1962
PD 08-MAY-2002
PF 26-APR-1999 JP 2000545991
PR 27-APR-1998 US 60/083217,18-SEP-1998 US 60/100842 PR
25-FEB-1999 US 09/257608,23-MAR-1999 US 09/274553 PI
LAWRENCE BLATT, JAMES A MCSWIGGEN, ELISABETH ROBERTS, PAMELA A PI
PAVCO,
PI DENNIS MACEJAK
PC C12N9/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09,
PC A61K37/66,
PC C12N15/00
CC Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection.
CC hepatitis C virus infection.
FH Key Location/Qualifiers
FT source 1..15
/organism='Hepatitis virus (hepatitis C virus)'
/locus='GATTTTGTATAA'
/organism='unidentified'
/mol_type='genomic RNA'
/db_xref='taxon:32644'

FEATURES
source
Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 759 TGGGTCAAGAAG 770
DB 13 TGGGTCAAGAAG 2

RESULT 348
BD233342/c
LOCUS
DEFINITION
Method of detecting mutation selected by drug in HIV protease gene.
ACCESSION
BD233342
VERSION
BD233342.1 GI:33043112
KEYWORDS
JP 2002518065-A/438.
SOURCE
Aids-associated retrovirus
ORGANISM
Aids-associated retrovirus
REFERENCE
1 (bases 1 to 16)
AUTHORS
Stuyver, L.
TITLE
Method of detecting mutation selected by drug in HIV protease gene
JOURNAL
INNOGENETICS NV
COMMENT
OS Aids-associated retrovirus
PD 25-JUN-2002
PF 22-JUN-1999 JP 2000556068
PR 24-JUN-1998 EP 98870143.9
PI LIEVEN STUYVER
PC C12N15/09,C12Q1/68,C12Q1/70,C12N15/00
CC Method of detecting mutation selected by drug in HIV protease
CC hepatitis C virus infection.
FH Key Location/Qualifiers
FT source 1..16
/organism='Aids-associated retrovirus'
/locus='TGGGTCAAGAAG'
/organism='unidentified'
/mol_type='genomic DNA'
/db_xref='taxon:11966'

FEATURES
source
Query Match 8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCAA 766
DB 13 AATCTGGGTCAA 2

RESULT 347
BD208373/c
LOCUS
DEFINITION
Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection.
ACCESSION
BD208373.1 GI:33018143
VERSION
JP 2002512791-A/1963.
KEYWORDS
unidentified
SOURCE
unclassified.
ORGANISM
1 (bases 1 to 15)
REFERENCE
Blatt, L., McSwiggen, J.A., Roberts, E., Pavco, P.A. and Macejak, D.
Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection
Patent: JP 2002512791-A 1963 08-MAY-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT
OS Hepatitis virus (hepatitis C virus)
PN JP 2002512791-A/1963
PD 08-MAY-2002
PF 26-APR-1999 JP 2000545991
PR 27-APR-1998 US 60/083217,18-SEP-1998 US 60/100842 PR
25-FEB-1999 US 09/257608,23-MAR-1999 US 09/274553 PI
LAWRENCE BLATT, JAMES A MCSWIGGEN, ELISABETH ROBERTS, PAMELA A PI
PAVCO,
PI DENNIS MACEJAK
PC C12N9/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09,
PC A61K37/66,
PC C12N15/00
CC Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection.
CC hepatitis C virus infection.
FH Key Location/Qualifiers
FT source 1..15
/organism='Hepatitis virus (hepatitis C virus)'
/locus='AATATGGGTCAA'
/organism='unidentified'
/mol_type='genomic RNA'
/db_xref='taxon:32644'

FEATURES
source
Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 759 TGGGTCAAGAAG 770
DB 14 TGGGTCAAGAAG 3

RESULT 347
BD208373/c
LOCUS
DEFINITION
Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection.
ACCESSION
BD208373.1 GI:33018143
VERSION
JP 2002512791-A/1963.
KEYWORDS
unidentified
SOURCE
unclassified.
ORGANISM
1 (bases 1 to 15)
REFERENCE
Blatt, L., McSwiggen, J.A., Roberts, E., Pavco, P.A. and Macejak, D.
Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection
Patent: JP 2002512791-A 1963 08-MAY-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT
OS Hepatitis virus (hepatitis C virus)
PN JP 2002512791-A/1963
PD 08-MAY-2002
PF 26-APR-1999 JP 2000545991
PR 27-APR-1998 US 60/083217,18-SEP-1998 US 60/100842 PR
25-FEB-1999 US 09/257608,23-MAR-1999 US 09/274553 PI
LAWRENCE BLATT, JAMES A MCSWIGGEN, ELISABETH ROBERTS, PAMELA A PI
PAVCO,
PI DENNIS MACEJAK
PC C12N9/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09,
PC A61K37/66,
PC C12N15/00
CC Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection.
CC hepatitis C virus infection.
FH Key Location/Qualifiers
FT source 1..15
/organism='Hepatitis virus (hepatitis C virus)'
/locus='AATATGGGTCAA'
/organism='unidentified'
/mol_type='genomic RNA'
/db_xref='taxon:32644'

FEATURES
source
Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 759 TGGGTCAAGAAG 770
DB 14 TGGGTCAAGAAG 3

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RESULT 349
BD266263/C
LOCUS          BD266263          16 bp      DNA      linear      PAT 17-JUL-2003
DEFINITION     Universal arrays.
ACCESSION      BD266263
VERSION        BD266263.1  GI:33076031
KEYWORDS       JP 2002539849-A/263.
SOURCE         synthetic construct
ORGANISM       synthetic construct
               artificial sequences.
REFERENCE      1 (bases 1 to 16)
AUTHORS       Fan,J.B., Hirschhorn,J.N., Huang,X., Kaplan,P., Lander,E.S.,
               Lockhart,D.J., Ryder,T. and Sklar,P.
TITLE         Universal arrays
JOURNAL       Patent: JP 2002539849-A 263 26-NOV-2002;
               WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH, AFFYMETRIX INC
COMMENT       OS Artificial Sequence
               PN JP 2002539849-A/263
               PD 26-NOV-2002
               PF 27-MAR-2000 JP 2000608794
               PR 26-MAR-1999 US 60/126473,23-JUN-1999 US 60/140359 PI
               JIAN BING FAN,JOEL N HIRSCHORN,XIAOHUA
               HUANG PAUL KAPLAN,ERIC
               PI S LANDER,
               PC DAVID J LOCKHART,THOMAS RYDER,PAMELA SKLAR
               PC C12Q1/68,C12M1/00,C12N15/09,C12N15/09,C12N15/09,G01N33/53, PC
               GOIN33/566,
               CC G01N37/00,C12N15/00,C12N15/00,C12N15/00
               CC Primer
               FH Key
               FT source
               Location/Qualifiers
               1..16
               /organism='Artificial Sequence'
               /mol_type='synthetic construct'
               /db_xref='taxon:32630'

Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 719 GGGCCATCTGGA 730
|||||
DB 15 GGGCCATCTGGA 4

RESULT 350
I34986
LOCUS          I34986          16 bp      DNA      linear      PAT 13-MAY-1997
DEFINITION     Sequence 72 from patent US 5599704.
ACCESSION      I34986
VERSION        I34986.1  GI:2087954
KEYWORDS       'Unknown.
SOURCE         Unknown.
ORGANISM       Unclassified.
REFERENCE      1 (bases 1 to 16)
AUTHORS       Thompson,J.D. and Draper,K.G.
TITLE         ErB2/neu targeted ribozymes
JOURNAL       Patent: US 5599704-A 72 04-FEB-1997;
               Location/Qualifiers
               1..16
               /organism='unknown'
               /mol_type='unassigned DNA'

Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 736 TACCTTGAGCAT 747
|||||

RESULT 351
AR221699
LOCUS          AR221699          16 bp      DNA      linear      PAT 26-SEP-2002
DEFINITION     Sequence 9 from patent US 6426408.
ACCESSION      AR221699
VERSION        AR221699.1  GI:23328771
KEYWORDS       'Unknown.
SOURCE         Unknown.
ORGANISM       Unclassified.
REFERENCE      1 (bases 1 to 16)
AUTHORS       Kutvavin,I.V., Lukhtanov,E.A., Gamper,H.B. and Meyer,R.B. Jr.
TITLE         Covalently linked oligonucleotide minor groove binder conjugates
JOURNAL       Patent: US 6426408-A 9 30-JUL-2002;
               Location/Qualifiers
               1..16
               /organism='unknown'
               /mol_type='genomic DNA'

Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 681 CAGCGGAAGATA 692
|||||
DB 2 CAGCAGAAGATA 13

RESULT 352
AR221700
LOCUS          AR221700          16 bp      DNA      linear      PAT 26-SEP-2002
DEFINITION     Sequence 10 from patent US 6426408.
ACCESSION      AR221700
VERSION        AR221700.1  GI:23328772
KEYWORDS       'Unknown.
SOURCE         Unknown.
ORGANISM       Unclassified.
REFERENCE      1 (bases 1 to 16)
AUTHORS       Kutvavin,I.V., Lukhtanov,E.A., Gamper,H.B. and Meyer,R.B. Jr.
TITLE         Covalently linked oligonucleotide minor groove binder conjugates
JOURNAL       Patent: US 6426408-A 10 30-JUL-2002;
               Location/Qualifiers
               1..16
               /organism='unknown'
               /mol_type='genomic DNA'

Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 681 CAGCGGAAGATA 692
|||||
DB 2 CAGCAGAAGATA 13

RESULT 353
AR257444
LOCUS          AR257444          16 bp      DNA      linear      PAT 20-DEC-2002
DEFINITION     Sequence 9 from patent US 6486308.
ACCESSION      AR257444
VERSION        AR257444.1  GI:27307455
KEYWORDS       'Unknown.
SOURCE         Unknown.
ORGANISM       Unclassified.
REFERENCE      1 (bases 1 to 16)
AUTHORS       Kutvavin,I.V., Lukhtanov,E.A., Gamper,H.B. and Meyer,R.B. Jr.
TITLE         Covalently linked oligonucleotide minor groove binder conjugates
JOURNAL       Patent: US 6486308-A 9 26-NOV-2002;

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FEATURES
  source
    Location/Qualifiers
    1..16
    /organism="unknown"
    /mol_type="genomic DNA"

  Query Match
    Best Local Similarity 8.6%; Score 10.4; DB 1; Length 16;
    Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

  QY 681 CAGCGGAAGATA 692
    |||||
    2 CAGCAGAAGATA 13

  Db

  RESULT 354
  LOCUS AR257445 16 bp DNA linear PAT 20-DEC-2002
  DEFINITION Sequence 10 from patent US 6486308.
  ACCESSION AR257445
  VERSION AR257445.1 GI:27307456
  KEYWORDS
  SOURCE Unknown.
  ORGANISM Unknown.
  REFERENCE 1 (bases 1 to 16)
  AUTHORS Kutayavin, I.V., Lukhtanov, E.A., Gamper, H.B. and Meyer, R.B. Jr.
  TITLE Covalently linked oligonucleotide minor groove binder conjugates
  JOURNAL Patent: US 6486308-A 10-26-NOV-2002;
  FEATURES
    Location/Qualifiers
    1..16
    /organism="unknown"
    /mol_type="genomic DNA"

  Query Match
    Best Local Similarity 8.6%; Score 10.4; DB 1; Length 16;
    Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

  QY 681 CAGCGGAAGATA 692
    |||||
    2 CAGCAGAAGATA 13

  Db

  RESULT 355
  LOCUS AR328276 16 bp RNA linear PAT 17-AUG-2003
  DEFINITION Sequence 5678 from patent US 6566127.
  ACCESSION AR328276
  VERSION AR328276.1 GI:33714084
  KEYWORDS
  SOURCE Unknown.
  ORGANISM Unknown.
  REFERENCE 1 (bases 1 to 16)
  AUTHORS Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
  TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
  JOURNAL Patent: US 6566127-A 5678 20-MAY-2003;
  FEATURES
    Location/Qualifiers
    1..16
    /organism="unknown"
    /mol_type="unassigned RNA"

  Query Match
    Best Local Similarity 8.6%; Score 10.4; DB 1; Length 16;
    Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

  QY 732 CTTTACCTTGA 743
    |||||
    1 CTTTACCTTGA 12

  Db

  RESULT 356
  LOCUS AR329628 16 bp RNA linear PAT 18-DEC-2003
  DEFINITION Sequence 512 from patent US 6656731.
  ACCESSION AR329628
  VERSION AR329628.1 GI:40199337
  KEYWORDS
  SOURCE Unknown.
  ORGANISM Unknown.
  REFERENCE 1 (bases 1 to 16)
  AUTHORS Eckstein, P., Ludwig, J. and Beigelman, L.
  TITLE Nucleic acid catalysts with endonuclease activity
  JOURNAL Patent: US 6656731-A 512 02-DEC-2003;
  FEATURES
    Location/Qualifiers
    1..16
    /organism="unknown"

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LOCUS AR329628 16 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 7030 from patent US 6566127.
ACCESSION AR329628
VERSION AR329628.1 GI:33715436
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 16)
AUTHORS Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 7030 20-MAY-2003;
FEATURES
  Location/Qualifiers
  1..16
  /organism="unknown"
  /mol_type="unassigned RNA"

  Query Match
    Best Local Similarity 8.6%; Score 10.4; DB 1; Length 16;
    Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

  QY 673 TTACTTTGCAGC 684
    |||||
    4 TTACTTTGCAAC 15

  Db

  RESULT 357
  LOCUS AR329692/c 16 bp RNA linear PAT 17-AUG-2003
  DEFINITION Sequence 7094 from patent US 6566127.
  ACCESSION AR329692
  VERSION AR329692.1 GI:33715500
  KEYWORDS
  SOURCE Unknown.
  ORGANISM Unknown.
  REFERENCE 1 (bases 1 to 16)
  AUTHORS Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
  TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
  JOURNAL Patent: US 6566127-A 7094 20-MAY-2003;
  FEATURES
    Location/Qualifiers
    1..16
    /organism="unknown"
    /mol_type="unassigned RNA"

  Query Match
    Best Local Similarity 8.6%; Score 10.4; DB 1; Length 16;
    Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

  QY 761 GGTCAAGAGTC 772
    |||||
    14 GGTCAAGAGTC 3

  Db

  RESULT 358
  LOCUS AR436253/c 16 bp RNA linear PAT 18-DEC-2003
  DEFINITION Sequence 512 from patent US 6656731.
  ACCESSION AR436253
  VERSION AR436253.1 GI:40199337
  KEYWORDS
  SOURCE Unknown.
  ORGANISM Unknown.
  REFERENCE 1 (bases 1 to 16)
  AUTHORS Eckstein, P., Ludwig, J. and Beigelman, L.
  TITLE Nucleic acid catalysts with endonuclease activity
  JOURNAL Patent: US 6656731-A 512 02-DEC-2003;
  FEATURES
    Location/Qualifiers
    1..16
    /organism="unknown"

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/mol_type="unassigned RNA"

Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
Db 12 TTATTGATAAAA 1

RESULT 359
AX007896/c
LOCUS AX007896 16 bp DNA linear PAT 06-SEP-2000
DEFINITION Sequence 438 from Patent WO9967428.
ACCESSION AX007896
VERSION AX007896.1 GI:9995593
KEYWORDS Aids-associated retrovirus
SOURCE Aids-associated retrovirus
ORGANISM Aids-associated retrovirus
REFERENCE 1
AUTHORS Stuyver,L.
TITLE Method for detection of drug-selected mutations in the hiv protease
JOURNAL Patent: WO 9967428-A 438 29-DEC-1999;
INNOGENETICS NV (BE); STUYVER LIEVEN (BE)
FEATURES
source
Location/Qualifiers
1..16
/organism="Aids-associated retrovirus"
/mol_type="unassigned DNA"
/db_xref="taxon:11966"

Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCAC 766
Db 13 AATCTGGGTCAC 2

RESULT 360
AX328255/c
LOCUS AX328255 16 bp RNA linear PAT 07-JAN-2002
DEFINITION Sequence 27 from Patent WO0183754.
ACCESSION AX328255
VERSION AX328255.1 GI:18098236
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Kruger,M., Welch,P.J. and Barber,J.R.
TITLE Cellular regulators of infectious agents and methods of use
JOURNAL Patent: WO 0183754-A 27 08-NOV-2001;
Immusol Incorporated (US)
FEATURES
source
Location/Qualifiers
1..16
/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"
/note="Synthetic oligonucleotide"

Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 84.6%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 721 GCCATCTAGACCT 733
Db 16 GCGATCTAGACNT 4

/mol_type="unassigned RNA"

Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
Db 16 TTATTGATAATA 5

RESULT 361
AX383902/c
LOCUS AX383902 16 bp DNA linear PAT 19-MAR-2002
DEFINITION Sequence 5 from Patent WO0214546.
ACCESSION AX383902
VERSION AX383902.1 GI:19577473
KEYWORDS Borrelia burgdorferi (Lyme disease spirochete)
SOURCE Borrelia burgdorferi
ORGANISM Borrelia burgdorferi
REFERENCE 1
AUTHORS Fritzsche,M.
TITLE Use of microbial dna sequences for the identification of human
JOURNAL diseases
PATENT: WO 0214546-A 5 21-FEB-2002;
Fritzsche, Markus (CH)
FEATURES
source
Location/Qualifiers
1..16
/organism="Borrelia burgdorferi"
/mol_type="unassigned DNA"
/db_xref="taxon:139"

Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
Db 16 TTATTGATAATA 5

RESULT 362
BD093188/c
LOCUS BD093188 16 bp DNA linear PAT 27-AUG-2002
DEFINITION A gene coading a cyclic lopoptide acylase and an expression
ACCESSION BD093188
VERSION BD093188.1 GI:22638776
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 16)
AUTHORS Shibata,T., Noguchi,Y. and Ymashita,M.
TITLE A gene coading a cyclic lopoptide acylase and an expression
JOURNAL Patent: WO 0102585-A 51 11-JAN-2001;
FUJISAWA PHARMACEUTICAL CO LTD,TAKASHI SHIBATA,YUJI NOGUCHI,MICHIO
YMAISHITA
COMMENT OS Artificial Sequence
PN WO 0102585-A/51
PD 11-JAN-2001
PP 28-JUN-2000 WO 2000JP004285
PR 02-JUN-1999 JP 99P 189644
PI TAKASHI SHIBATA,YUJI NOGUCHI,MICHIO YMAISHITA
PC C12N15/55,C12N1/21,C12N9/14
CC Oligonucleotide designed to act as sequencing primer. PH Key
FEATURES
source
Location/Qualifiers
1..16
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 761 GGTCAAGAAGTC 772
Db 15 GGTGAAGAAGTC 4
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RESULT 363
BD093189
LOCUS          16 bp      DNA          linear          PAT 27-AUG-2002
DEFINITION    A gene coading a cyclic lopoptide acylase and an expression
               thereof.
ACCESSION     BD093189
VERSION       BD093189.1  GI:22638777
KEYWORDS      WO 0102585-A/52.
SOURCE        synthetic construct
ORGANISM      artificial sequences.
REFERENCE     1 (bases 1 to 16)
AUTHORS       Shibata,T., Noguchi,Y. and Ymashita,M.
TITLE         A gene coading a cyclic lopoptide acylase and an expression
JOURNAL       Patent: WO 0102585-A 52 11-JAN-2001;
              FUJISAWA PHARMACEUTICAL CO LTD, TAKASHI SHIBATA, YUUI NOGUCHI, MICHIO
              YMASHITA
COMMENT       OS Artificial Sequence
              PN WO 0102585-A/52
              PD 11-JAN-2001
              PF 28-JUN-2000 WO 2000JP004285
              PR 02-JUL-1999 JP 99F 189644
              PI TAKASHI SHIBATA, YUUI NOGUCHI, MICHIO YMASHITA
              PC C12N15/55, C12N1/21, C12N9/14
              CC Oligonucleotide designed to act as sequencing primer. PH Key
FEATURES      source
               location/Qualifiers
               1..16
               /organism="synthetic construct"
               /mol_type="genomic DNA"
               /db_xref="taxon:32630"
Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 761 GGTCAAGAGATC 772
Db 2 GGTGAGAGATC 13
Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 761 GGTCAAGAGATC 772
Db 2 GGTGAGAGATC 13
RESULT 364
AR033660
LOCUS          15 bp      DNA          linear          PAT 29-SEP-1999
DEFINITION    Sequence 426 from patent US 5869253.
ACCESSION     AR033660
VERSION       AR033660.1  GI:5949265
KEYWORDS
SOURCE        Unknown.
ORGANISM      Unclassified.
REFERENCE     1 (bases 1 to 15)
AUTHORS       Draper,K.G.
TITLE         Method and reagent for inhibiting hepatitis C virus replication
JOURNAL       Patent: US 5869253-A 426 09-FEB-1999;
FEATURES      source
               location/Qualifiers
               1..15
               /organism="unknown"
               /mol_type="unassigned DNA"
Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 691 TACTGATTCGTGAC 705
Db 1 TACGGATTCAGTAC 15
Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 691 TACTGATTCGTGAC 705
Db 1 TACGGATTCAGTAC 15
RESULT 365
AR041397
LOCUS          15 bp      DNA          linear          PAT 29-SEP-1999
DEFINITION    Sequence 187 from patent US 5811300.

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ACCESSION     AR041397
VERSION       AR041397.1  GI:5961893
KEYWORDS
SOURCE        Unknown.
ORGANISM      Unclassified.
REFERENCE     1 (bases 1 to 15)
AUTHORS       Sullivan,S., Draper,K., Kisch,K., Stinchcomb,D.T. and McSwiggen,J.
TITLE         TNF- alpha, ribozymes
JOURNAL       Patent: US 5811300-A 187 22-SEP-1998;
FEATURES      source
               location/Qualifiers
               1..15
               /organism="unknown"
               /mol_type="unassigned DNA"
Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 745 GATTATTGATAATAT 759
Db 1 GATTATTATTATT 15
RESULT 366
AR056137
LOCUS          15 bp      DNA          linear          PAT 29-SEP-1999
DEFINITION    Sequence 341 from patent US 5837542.
ACCESSION     AR056137
VERSION       AR056137.1  GI:5981714
KEYWORDS
SOURCE        Unknown.
ORGANISM      Unclassified.
REFERENCE     1 (bases 1 to 15)
AUTHORS       Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
               Draper,K.G.
TITLE         Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL       Patent: US 5837542-A 341 17-NOV-1998;
FEATURES      source
               location/Qualifiers
               1..15
               /organism="unknown"
               /mol_type="unassigned DNA"
Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 721 GCCATCTAGACCTTT 735
Db 1 GCAGTCTTGACCTTT 15
RESULT 367
AR082220
LOCUS          15 bp      DNA          linear          PAT 31-AUG-2000
DEFINITION    Sequence 64 from patent US 5972704.
ACCESSION     AR082220
VERSION       AR082220.1  GI:10008946
KEYWORDS
SOURCE        Unknown.
ORGANISM      Unclassified.
REFERENCE     1 (bases 1 to 15)
AUTHORS       Draper,K.G., Chowrira,B., McSwiggen,J., Stinchcomb,D.T. and
               Thompson,J.D.
TITLE         HIV ref targeted ribozymes
JOURNAL       Patent: US 5972704-A 64 26-OCT-1999;
FEATURES      source
               location/Qualifiers
               1..15
               /organism="unknown"
               /mol_type="unassigned DNA"

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Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 756 ATATGGGTCAAGAG 770
  |||||
  1 ATCTGGGTCAAGAG 15
  |||||

RESULT 368
AR082221
LOCUS AR082221 15 bp DNA linear PAT 31-AUG-2000
DEFINITION Sequence 65 from patent US 5972704.
ACCESSION AR082221
VERSION AR082221.1 GI:10008947
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Thompson, J.D.
TITLE HIV nef targeted ribozymes
JOURNAL Patent: US 5972704-A 65 26-OCT-1999;
FEATURES Location/Qualifiers
          source
            1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 756 ATATGGGTCAAGAG 770
  |||||
  1 ATCTGGGTCAAGAG 15
  |||||

RESULT 369
AR105158/c
LOCUS AR105158 15 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 19 from patent US 6096513.
ACCESSION AR105158
VERSION AR105158.1 GI:12818755
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Bell, G.I., Reisine, T. and Yasuda, K.
TITLE Polynucleotides encoding KAPPA opioid receptors
JOURNAL Patent: US 6096513-A 19 01-AUG-2000;
FEATURES Location/Qualifiers
          source
            1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 746 ATTATGATAATATG 760
  |||||
  15 ATCATTTGCTAAGATG 1
  |||||

RESULT 370
AR106343/c
LOCUS AR106343 15 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 5 from patent US 6107028.
ACCESSION AR106343
VERSION AR106343.1 GI:12820873
KEYWORDS

SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and
          Draper, K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of
          intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 341 17-OCT-2000;
FEATURES Location/Qualifiers
          source
            1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 735 TTACCTTGAGGATTA 749
  |||||
  15 TTCTTTGAGGTTTA 1
  |||||

RESULT 371
AR113482
LOCUS AR113482 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 426 from patent US 6132966.
ACCESSION AR113482
VERSION AR113482.1 GI:14093804
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Draper, K.G.
TITLE Method and reagent for inhibiting hepatitis C virus replication
JOURNAL Patent: US 6132966-A 426 17-OCT-2000;
FEATURES Location/Qualifiers
          source
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            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 691 TACTGATTGCTGTAC 705
  |||||
  1 TACGGATTCCAGTAC 15
  |||||

RESULT 372
AR113895
LOCUS AR113895 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 341 from patent US 6132967.
ACCESSION AR113895
VERSION AR113895.1 GI:14094217
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and
          Draper, K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of
          intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 341 17-OCT-2000;
FEATURES Location/Qualifiers
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            1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY 721 GCATCTAGACCTTT 735
Db 1 GCATCTTACCTTT 15

RESULT 373
LOCUS AR120762 15 bp DNA PAT 16-MAY-2001
DEFINITION Sequence 64 from patent US 6159692.
ACCESSION AR120762
VERSION AR120762.1 GI:14104338
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 760 27-FEB-2001;
FEATURES
    Location/Qualifiers
    source
        1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02; Mismatches 0; Gaps 0;
Matches 12; Conservative 0; Indels 0;

QY 693 CTGATTCCTGTACCC 707
Db 1 CTGACTTCTCTACCC 15

RESULT 376
LOCUS AR132336 15 bp DNA PAT 16-MAY-2001
DEFINITION Sequence 761 from patent US 6194150.
ACCESSION AR132336
VERSION AR132336.1 GI:14121241
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 761 27-FEB-2001;
FEATURES
    Location/Qualifiers
    source
        1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02; Mismatches 0; Gaps 0;
Matches 12; Conservative 0; Indels 0;

QY 756 ATATGGGTCAAGAG 770
Db 1 ATCTGGGTCAAGAG 15

RESULT 374
LOCUS AR120763 15 bp DNA PAT 16-MAY-2001
DEFINITION Sequence 65 from patent US 6159692.
ACCESSION AR120763
VERSION AR120763.1 GI:14104339
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Draper,K.G., Chowrira,B., McSwiggen,J., Stinchcomb,D.T. and Thompson,J.D.
TITLE Method and reagent for inhibiting human immunodeficiency virus replication
JOURNAL Patent: US 6159692-A 65 12-DEC-2000;
FEATURES
    Location/Qualifiers
    source
        1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02; Mismatches 0; Gaps 0;
Matches 12; Conservative 0; Indels 0;

QY 756 ATATGGGTCAAGAG 770
Db 1 ATTTGGGTCAAGAG 15

RESULT 375
LOCUS AR132335 15 bp DNA PAT 16-MAY-2001
DEFINITION Sequence 760 from patent US 6194150.
ACCESSION AR132335
VERSION AR132335.1 GI:14121240
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 760 27-FEB-2001;
FEATURES
    Location/Qualifiers
    source
        1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02; Mismatches 0; Gaps 0;
Matches 12; Conservative 0; Indels 0;

QY 756 ATATGGGTCAAGAG 770
Db 1 ATTTGGGTCAAGAG 15

RESULT 377
LOCUS AR133836 15 bp DNA PAT 16-MAY-2001
DEFINITION Sequence 2261 from patent US 6194150.
ACCESSION AR133836
VERSION AR133836.1 GI:14122741
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 2261 27-FEB-2001;
FEATURES
    Location/Qualifiers
    source
        1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02; Mismatches 0; Gaps 0;
Matches 12; Conservative 0; Indels 0;

QY 693 CTGATTCCTGTACCC 707
Db 1 CTGACTTCTCTACCC 15

RESULT 377
LOCUS AR133836 15 bp DNA PAT 16-MAY-2001
DEFINITION Sequence 2261 from patent US 6194150.
ACCESSION AR133836
VERSION AR133836.1 GI:14122741
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 2261 27-FEB-2001;
FEATURES
    Location/Qualifiers
    source
        1..15
            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02; Mismatches 0; Gaps 0;
Matches 12; Conservative 0; Indels 0;

QY 715 CTGTGGGCCATCTAG 729

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Journal	Patent	US 5610054-A	426	11-MAR-1997
JOURNAL	Patent: US 5610054-A	426	11-MAR-1997	
FEATURES	Location/Qualifiers	1..15		
source	/organism="unknown"	/mol_type="unassigned DNA"		
Query Match	8.4%; Score 10.2; DB 1; Length 15;			
Best Local Similarity	80.0%; Pred. No. 2e+02;			
Matches	12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;			
QY	691 TACTGATTGCTGTAC 705			
Db	1 TACGGATTCAGTAC 15			
RESULT 381				
LOCUS	I77737/c			
DEFINITION	Sequence 444 from patent US 5693532.			
TITLE	15 bp DNA			
JOURNAL	Patent: US 5693532-A	444	02-DEC-1997	
FEATURES	Location/Qualifiers	1..15		
source	/organism="unknown"	/mol_type="unassigned DNA"		
Query Match	8.4%; Score 10.2; DB 1; Length 15;			
Best Local Similarity	80.0%; Pred. No. 2e+02;			
Matches	12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;			
QY	712 TTGCTGTGGGCATC 726			
Db	15 TTGCTAAGAGCCATC 1			
RESULT 382				
LOCUS	I77900			
DEFINITION	Sequence 607 from patent US 5693532.			
TITLE	15 bp DNA			
JOURNAL	Patent: US 5693532-A	607	02-DEC-1997	
FEATURES	Location/Qualifiers	1..15		
source	/organism="unknown"	/mol_type="unassigned DNA"		
Query Match	8.4%; Score 10.2; DB 1; Length 15;			
Best Local Similarity	80.0%; Pred. No. 2e+02;			
Matches	12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;			
QY	740 TTGAGGATTATGAT 754			
Db	1 TTGAGGTTATGAT 15			
RESULT 383				
LOCUS	I77901			
DEFINITION	Sequence 426 from patent US 5610054.			
TITLE	15 bp DNA			
JOURNAL	Patent: US 5610054-A	426	11-MAR-1997	
FEATURES	Location/Qualifiers	1..15		
source	/organism="unknown"	/mol_type="unassigned DNA"		
Query Match	8.4%; Score 10.2; DB 1; Length 15;			
Best Local Similarity	80.0%; Pred. No. 2e+02;			
Matches	12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;			
QY	746 ATATTGATAAATG 760			
Db	15 ATCATTGCTAAGATG 1			
RESULT 380				
LOCUS	I57889			
DEFINITION	Sequence 426 from patent US 5610054.			
TITLE	15 bp DNA			
JOURNAL	Patent: US 5610054-A	426	11-MAR-1997	
FEATURES	Location/Qualifiers	1..15		
source	/organism="unknown"	/mol_type="unassigned DNA"		
Query Match	8.4%; Score 10.2; DB 1; Length 15;			
Best Local Similarity	80.0%; Pred. No. 2e+02;			
Matches	12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;			
QY	746 ATATTGATAAATG 760			
Db	15 ATCATTGCTAAGATG 1			
RESULT 380				
LOCUS	I57889			
DEFINITION	Sequence 426 from patent US 5610054.			
TITLE	15 bp DNA			
JOURNAL	Patent: US 5610054-A	426	11-MAR-1997	
FEATURES	Location/Qualifiers	1..15		
source	/organism="unknown"	/mol_type="unassigned DNA"		
Query Match	8.4%; Score 10.2; DB 1; Length 15;			
Best Local Similarity	80.0%; Pred. No. 2e+02;			
Matches	12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;			
QY	746 ATATTGATAAATG 760			
Db	15 ATCATTGCTAAGATG 1			
RESULT 380				
LOCUS	I57889			
DEFINITION	Sequence 426 from patent US 5610054.			
TITLE	15 bp DNA			
JOURNAL	Patent: US 5610054-A	426	11-MAR-1997	
FEATURES	Location/Qualifiers	1..15		
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Query Match	8.4%; Score 10.2; DB 1; Length 15;			
Best Local Similarity	80.0%; Pred. No. 2e+02;			
Matches	12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;			
QY	746 ATATTGATAAATG 760			
Db	15 ATCATTGCTAAGATG 1			
RESULT 380				
LOCUS	I57889			

Journal	Patent	US	5610054-A	426	11-MAR-1997
JOURNAL	Patent: US 5610054-A 426 11-MAR-1997;				
FEATURES	Location/Qualifiers				
source	1..15				
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	/mol_type="unassigned DNA"				
Query Match	8.4%; Score 10.2; DB 1; Length 15;				
Best Local Similarity	80.0%; Pred. No. 2e+02;				
Matches	12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;				
QY	691 TACTGATTGCTGTAC 705				
Db	1 TACGGATTCAGTAC 15				
RESULT 381					
LOCUS	I77737/c				
DEFINITION	Sequence 444 from patent US 5693532.				
TITLE	15 bp DNA				
AUTHORS	I77737				
JOURNAL	Sequence 444 from patent US 5693532.				
FEATURES	Location/Qualifiers				
source	1..15				
	/organism="unknown"				
	/mol_type="unassigned DNA"				
Query Match	8.4%; Score 10.2; DB 1; Length 15;				
Best Local Similarity	80.0%; Pred. No. 2e+02;				
Matches	12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;				
QY	712 TTGCTGTGGGCATC 726				
Db	15 TTGCTAAGAGCCATC 1				
RESULT 382					
LOCUS	I77900				
DEFINITION	Sequence 607 from patent US 5693532.				
TITLE	15 bp DNA				
AUTHORS	I77900				
JOURNAL	Sequence 607 from patent US 5693532.				
FEATURES	Location/Qualifiers				
source	1..15				
	/organism="unknown"				
	/mol_type="unassigned DNA"				
Query Match	8.4%; Score 10.2; DB 1; Length 15;				
Best Local Similarity	80.0%; Pred. No. 2e+02;				
Matches	12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;				
QY	740 TTGAGGATTATGAT 754				
Db	1 TTGAGGTTATGAT 15				
RESULT 383					
LOCUS	I77901				
DEFINITION	Sequence 426 from patent US 5610054.				
TITLE	15 bp DNA				
AUTHORS	I77889				
JOURNAL	Sequence 426 from patent US 5610054.				
FEATURES	Location/Qualifiers				
source	1..15				
	/organism="unknown"				
	/mol_type="unassigned DNA"				
Query Match	8.4%; Score 10.2; DB 1; Length 15;				
Best Local Similarity	80.0%; Pred. No. 2e+02;				
Matches	12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;				
QY	746 ATTATTGATAAATG 760				
Db	15 ATCATTGCTAAGATG 1				
RESULT 380					
LOCUS	I57889				
DEFINITION	Sequence 426 from patent US 5610054.				
TITLE	15 bp DNA				
AUTHORS	I57889				
JOURNAL	Sequence 426 from patent US 5610054.				
FEATURES	Location/Qualifiers				
source	1..15				
	/organism="unknown"				
	/mol_type="unassigned DNA"				
Query Match	8.4%; Score 10.2; DB 1; Length 15;				
Best Local Similarity	80.0%; Pred. No. 2e+02;				
Matches	12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;				
QY	746 ATTATTGATAAATG 760				
Db	15 ATCATTGCTAAGATG 1				
RESULT 380					
LOCUS	I57889				
DEFINITION	Sequence 426 from patent US 5610054.				
TITLE	15 bp DNA				
AUTHORS	I57889				
JOURNAL	Sequence 426 from patent US 5610054.				
FEATURES	Location/Qualifiers				
source	1..15				
	/organism="unknown"				
	/mol_type="unassigned DNA"				

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LOCUS       I77901               15 bp      DNA          linear          PAT 03-APR-1998
DEFINITION   Sequence 608 from patent US 5693532.
ACCESSION   I77901
VERSION     I77901.1  GI:3014055
KEYWORDS    .
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 15)
AUTHORS    McSwiggen,J., Draper,K., Pavco,P. and Woolf,T.
TITLE      Respiratory syncytial virus ribozymes
JOURNAL    Patent: US 5693532-A 608 02-DEC-1997;
FEATURES    Location/Qualifiers
             source
               1..15
               /organism="unknown"
               /mol_type="unassigned DNA"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      741 TGAGGATTATGATA 755
Db      1 TGAGGTTTATGATA 15

RESULT 384
LOCUS       I78266               15 bp      DNA          linear          PAT 03-APR-1998
DEFINITION   Sequence 64 from patent US 5693535.
ACCESSION   I78266
VERSION     I78266.1  GI:3014420
KEYWORDS    .
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 15)
AUTHORS    Draper,K.G., Chowrira,B., McSwiggen,J., Stinchcomb,D.T. and
            Thompson,J.D.
TITLE      HIV targeted ribozymes
JOURNAL    Patent: US 5693535-A 64 02-DEC-1997;
FEATURES    Location/Qualifiers
             source
               1..15
               /organism="unknown"
               /mol_type="unassigned DNA"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      756 ATATGGGTCAGGAG 770
Db      1 ATCTGGGTCAGGGAG 15

RESULT 385
LOCUS       I78267               15 bp      DNA          linear          PAT 03-APR-1998
DEFINITION   Sequence 65 from patent US 5693535.
ACCESSION   I78267
VERSION     I78267.1  GI:3014421
KEYWORDS    .
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 15)
AUTHORS    Draper,K.G., Chowrira,B., McSwiggen,J., Stinchcomb,D.T. and
            Thompson,J.D.
TITLE      HIV targeted ribozymes
JOURNAL    Patent: US 5693535-A 65 02-DEC-1997;
FEATURES    Location/Qualifiers
             source
               1..15
               /organism="unknown"

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/mol_type="unassigned DNA"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      756 ATATGGGTCAGGAG 770
Db      1 ATTTGGGTCAGGGAG 15

RESULT 386
LOCUS       AR192986              15 bp      DNA          linear          PAT 20-APR-2002
DEFINITION   Sequence 8474 from patent US 6346398.
ACCESSION   AR192986
VERSION     AR192986.1  GI:20238951
KEYWORDS    .
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 15)
AUTHORS    Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE      Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
JOURNAL    Patent: US 6346398-A 8474 12-FEB-2002;
FEATURES    Location/Qualifiers
             source
               1..15
               /organism="unknown"
               /mol_type="unassigned DNA"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      654 ACAGCTTTGGACAGA 668
Db      1 ACAATTTTGACAGA 15

RESULT 387
LOCUS       AR241954              15 bp      DNA          linear          PAT 20-DEC-2002
DEFINITION   Sequence 242 from patent US 6472154.
ACCESSION   AR241954
VERSION     AR241954.1  GI:27287766
KEYWORDS    .
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 15)
AUTHORS    Garner,H.R., Wren,J.D., Minna,J.D. and Fondon,J.W. III.
TITLE      Polymorphic repeats in human genes
JOURNAL    Patent: US 6472154-A 242 29-OCT-2002;
FEATURES    Location/Qualifiers
             source
               1..15
               /organism="unknown"
               /mol_type="genomic DNA"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      681 CAGCGGAGAGACTG 695
Db      1 CAGCGGGAGAGACTG 15

RESULT 388
LOCUS       AR326727              15 bp      RNA          linear          PAT 17-AUG-2003
DEFINITION   Sequence 4129 from patent US 6566127.
ACCESSION   AR326727
FEATURES    Location/Qualifiers
             source
               1..15
               /organism="unknown"

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VERSION      AR326727.1  GI:33712535
KEYWORDS     Unknown.
SOURCE       Unknown.
ORGANISM     Unclassified.
REFERENCE    1 (bases 1 to 15)
AUTHORS      Pavco,P., McSwiggen,J.A., Stinchcomb,D.T., and Escobedo,J.
TITLE        Method and reagent for the treatment of diseases or conditions
              related to levels of vascular endothelial growth factor receptor
JOURNAL      Patent: US 6566127-A 4129 20-MAY-2003;
FEATURES     Location/Qualifiers
             source
               1..15
               /organism="unknown"
               /mol_type="unassigned RNA"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 654 ACAGCTTTGGACAGA 668
Db 1 ACAATTTTGACAGA 15

RESULT 389
AX239925/c
LOCUS          15 bp  DNA          linear          PAT 26-SEP-2001
DEFINITION     Sequence 52 from Patent WO0164958.
ACCESSION      AX239925
VERSION        AX239925.1  GI:15797527
KEYWORDS       synthetic construct
               synthetic construct
               artificial sequences.
ORGANISM       1
REFERENCE      Dempsy,R.O., Gall,A.A., Lohkov,S.G., Afonina,I.A., Singer,M.J.,
               Kutayavin,I.V. and Vermeulen,N.M.
TITLE          Modified oligonucleotides for mismatch discrimination
JOURNAL        Patent: WO 0164958-A 52 07-SEP-2001;
               Epoch Biosciences, Inc. (US)
FEATURES       Location/Qualifiers
               source
                 1..15
                 /organism="synthetic construct"
                 /mol_type="unassigned DNA"
                 /db_xref="taxon:32630"
                 /note="primer extension template"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 660 TTGACAGAGGGTTT 674
Db 15 TAGGACAGAGTGGTT 1

RESULT 390
AX633157
LOCUS          15 bp  RNA          linear          PAT 21-FEB-2003
DEFINITION     Sequence 296 from Patent EP1260586.
ACCESSION      AX633157
VERSION        AX633157.1  GI:28468771
KEYWORDS       unidentified
               unidentified
               unclassified.
ORGANISM       1
REFERENCE      Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
               Karpeisky,A., Draper,K.G., Kisch,K., Matulic-Adamic,J.,
               McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
               Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
               Woolf,T.
TITLE          Method and reagent for inhibiting the expression of disease related
JOURNAL        Patent: EP 1260586-A 5414 27-NOV-2002;
               RIBOZYME PHARMACEUTICALS, INC. (US)

genes
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES     Location/Qualifiers
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               /organism="unidentified"
               /mol_type="unassigned RNA"
               /db_xref="taxon:32644"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 721 GCCATCTAGACCTTT 735
Db 1 GCAGTCTTGACCTTT 15

RESULT 391
AX636853
LOCUS          15 bp  RNA          linear          PAT 21-FEB-2003
DEFINITION     Sequence 3992 from Patent EP1260586.
ACCESSION      AX636853
VERSION        AX636853.1  GI:28472467
KEYWORDS       unidentified
               unidentified
               unclassified.
ORGANISM       1
REFERENCE      Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
               Karpeisky,A., Draper,K.G., Kisch,K., Matulic-Adamic,J.,
               McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
               Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
               Woolf,T.
TITLE          Method and reagent for inhibiting the expression of disease related
JOURNAL        Patent: EP 1260586-A 3992 27-NOV-2002;
               RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES       Location/Qualifiers
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                 /mol_type="unassigned RNA"
                 /db_xref="taxon:32644"

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 745 GATTATTGATAATAT 759
Db 1 GATTATTATTATT 15

RESULT 392
AX638275/c
LOCUS          15 bp  RNA          linear          PAT 21-FEB-2003
DEFINITION     Sequence 5414 from Patent EP1260586.
ACCESSION      AX638275
VERSION        AX638275.1  GI:28473889
KEYWORDS       unidentified
               unidentified
               unclassified.
ORGANISM       1
REFERENCE      Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
               Karpeisky,A., Draper,K.G., Kisch,K., Matulic-Adamic,J.,
               McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
               Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
               Woolf,T.
TITLE          Method and reagent for inhibiting the expression of disease related
JOURNAL        Patent: EP 1260586-A 5414 27-NOV-2002;
               RIBOZYME PHARMACEUTICALS, INC. (US)

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FEATURES
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    Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

  QY 712 TTGCTGTGGCCATC 726
      |||||
      |||||
  Db 15 TTGCTAAGAGCCATC 1

  RESULT 393
  AX638422
  LOCUS
  DEFINITION Sequence 5561 from Patent EP1260586.
  ACCESSION AX638422
  VERSION AX638422.1 GI:28474036
  KEYWORDS
  SOURCE
  ORGANISM
  unclassified
  unclassified
  unclassified.
  REFERENCE
  1
  AUTHORS
  Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
  Mcswiggen,J.A., Modak,A., Favco,P., Beigelman,L., Sullivan,S.M.,
  Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
  Woolf,T.
  TITLE
  Method and reagent for inhibiting the expression of disease related
  genes
  JOURNAL
  Patent: EP 1260586-A 5561 27-NOV-2002;
  RIBOZYME PHARMACEUTICALS, INC. (US)
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    Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

  QY 740 TTGAGGATTATGAT 754
      |||||
      |||||
  Db 1 TTGAGGTTTATGAAT 15

  RESULT 394
  AX638424
  LOCUS
  DEFINITION Sequence 5563 from Patent EP1260586.
  ACCESSION AX638424
  VERSION AX638424.1 GI:28474038
  KEYWORDS
  SOURCE
  ORGANISM
  unclassified
  unclassified
  unclassified.
  REFERENCE
  1
  AUTHORS
  Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
  Mcswiggen,J.A., Modak,A., Favco,P., Beigelman,L., Sullivan,S.M.,
  Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
  Woolf,T.
  TITLE
  Method and reagent for inhibiting the expression of disease related
  genes
  JOURNAL
  Patent: EP 1260586-A 5563 27-NOV-2002;
  RIBOZYME PHARMACEUTICALS, INC. (US)
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  Query Match
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    Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

  QY 741 TGAGGATTATGATA 755
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      |||||
  Db 1 TGAGGTTTATGAATA 15

  RESULT 395
  AX770827
  LOCUS
  DEFINITION Sequence 16 from Patent WO03022875.
  ACCESSION AX770827
  VERSION AX770827.1 GI:32437996
  KEYWORDS
  SOURCE
  ORGANISM
  synthetic construct
  synthetic construct
  artificial sequences.
  REFERENCE
  1
  AUTHORS
  Alarcon-Riquelme,M. and Prokunina,L.
  TITLE
  Polymorphisms of pd-1
  JOURNAL
  Patent: WO 03022875-A 16 20-MAR-2003;
  Everygene AB (SE)
  FEATURES
    source
      Location/Qualifiers
        1..15
          /organism="synthetic construct"
          /mol_type="unassigned DNA"
          /db_xref="taxon:32630"
          /note="Pb1.1 probe 2"

  Query Match
    Best Local Similarity 8.4%; Score 10.2; DB 1; Length 15;
    Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

  QY 758 ATGGGTCACAGAGTC 772
      |||||
      |||||
  Db 1 ATGGGCCAGGAGGC 15

  RESULT 396
  BD206427/C
  LOCUS
  DEFINITION Enzymatic nucleic acid treatment of diseases or conditions related
  to hepatitis C virus infection.
  ACCESSION BD206427
  VERSION BD206427.1 GI:33016197
  KEYWORDS
  SOURCE
  ORGANISM
  unidentified
  unidentified
  unclassified.
  REFERENCE
  1 (bases 1 to 15)
  AUTHORS
  Blatt,L., Mcswiggen,J.A., Roberts,E., Pavco,P.A. and Macejak,D.
  TITLE
  Enzymatic nucleic acid treatment of diseases or conditions related
  to hepatitis C virus infection
  JOURNAL
  Patent: JP 2002512791-A 17 08-MAY-2002;
  RIBOZYME PHARMACEUTICALS INC
  COMMENT
  OS Hepatitis virus (hepatitis C virus)
  PN JP 2002512791-A/17
  PD 08-MAY-2002
  PF 26-APR-1999 JP 2000545991
  PR 27-APR-1999 US 60/083217,19-SEP-1998 US 60/100842 PR
  25-FEB-1999 US 09/257608,23-MAR-1999 US 09/274553 PI
  LAWRENCE BLATT,JAMES A MCSWIGGEN,ELISABETH ROBERTS,PAMELA A PI
  PAVCO,
  PI DENNIS MACEJAK
  PC C12N9/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09,
  PC A61K37/66,
  PC C12N15/00
  CC Enzymatic nucleic acid treatment of diseases or conditions CC

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CC hepatitis C virus infection.
FH Key Location/Qualifiers
FT source 1..15
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        Location/Qualifiers
        1..15
        /organism='unidentified'
        /mol_type='genomic RNA'
        /db_xref='taxon:32644'
Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02; 3; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 0;

Qy 735 TTACTTGAGGATTA 749
Db 15 TTCTTTGAGGTTA 1

RESULT 397
LOCUS
DEFINITION
    Enzymatic nucleic acid treatment of diseases or conditions related
    to hepatitis C virus infection.
ACCESSION
    BD207393
VERSION
    BD207393.1 GI:33017163
KEYWORDS
    JP 2002512791-A/983.
SOURCE
    unclassified
    ORGANISM
    unclassified.
REFERENCE
    1 (bases 1 to 15)
    Blatt,L., McSwiggen,J.A., Roberts,E., Pavco,P.A. and Macejak,D.
    Enzymatic nucleic acid treatment of diseases or conditions related
    to hepatitis C virus infection
    Patent: JP 2002512791-A 983 08-MAY-2002;
    RIBOZYME PHARMACEUTICALS INC
    OS Hepatitis virus (hepatitis C virus)
    PN JP 2002512791-A/983
    PD 08-MAY-2002
    PF 26-APR-1999 JP 2000545991
    PR 27-APR-1998 US 60/083217,18-SEP-1998 US 60/100842 PR
    25-FEB-1999 US 09/257608,23-MAR-1999 US 09/274553 PI
    LAWRENCE BLATT,JAMES A MCSWIGGEN,ELISABETH ROBERTS,PAMELA A PI
    PAVCO,
    PI DENNIS MACEJAK
    PC C12N9/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09,
    PC A61K37/66,
    PC C12N15/00
    CC Enzymatic nucleic acid treatment of diseases or conditions CC
    related to
    CC hepatitis C virus infection.
    FH Key Location/Qualifiers
    FT source 1..15
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    virus)'
    FT Location/Qualifiers
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    /db_xref='taxon:32644'
Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02; 3; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 0;

Qy 735 TTACTTGAGGATTA 749
Db 15 TTCTTTGAGGTTA 1

RESULT 399
LOCUS
DEFINITION
    Enzymatic nucleic acid treatment of diseases or conditions related
    to hepatitis C virus infection.
ACCESSION
    BD208297
VERSION
    BD208297.1 GI:33018067
KEYWORDS
    JP 2002512791-A/1887.
SOURCE
    unclassified
    ORGANISM
    unclassified.
REFERENCE
    1 (bases 1 to 15)
    Blatt,L., McSwiggen,J.A., Roberts,E., Pavco,P.A. and Macejak,D.
    Enzymatic nucleic acid treatment of diseases or conditions related
    to hepatitis C virus infection
    Patent: JP 2002512791-A 1887 08-MAY-2002;
    RIBOZYME PHARMACEUTICALS INC
    OS Hepatitis virus (hepatitis C virus)
    PN JP 2002512791-A/1887
    PD 08-MAY-2002
    PF 26-APR-1999 JP 2000545991
    PR 27-APR-1998 US 60/083217,18-SEP-1998 US 60/100842 PR
    25-FEB-1999 US 09/257608,23-MAR-1999 US 09/274553 PI
    LAWRENCE BLATT,JAMES A MCSWIGGEN,ELISABETH ROBERTS,PAMELA A PI
    PAVCO,
    PI DENNIS MACEJAK
    PC C12N9/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09,
    PC A61K37/66,
    PC C12N15/00
    CC Enzymatic nucleic acid treatment of diseases or conditions CC
    related to
    CC hepatitis C virus infection.
    FH Key Location/Qualifiers
    FT source 1..15
    FT /organism='Hepatitis virus (hepatitis C FT
    virus)'
    FT Location/Qualifiers
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    /organism='unidentified'
    /mol_type='genomic RNA'
    /db_xref='taxon:32644'
Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2e+02; 3; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 0;

Qy 691 TACTGATTCGCTAC 705
Db 1 TACGGATTCGCTAC 15

RESULT 398

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LAWRENCE BLATT, JAMES A MCSWIGGEN, ELISABETH ROBERTS, PAMELA A PI
 PAVCO,
 PI DENNIS MACEJAK
 PC C12N9/00, A61K31/7105, A61K38/21, A61K48/00, A61P31/12, C12N15/09,
 PC A61K37/66,
 PC C12N15/00,
 CC Enzymatic nucleic acid treatment of diseases or conditions CC
 related to
 CC hepatitis C virus infection.
 FH Key Location/Qualifiers
 FT source 1..15
 FT virus), /organism='Hepatitis virus (hepatitis C FT

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 /mol_type='genomic RNA'
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 Query Match 8.4%; Score 10.2; DB 1; Length 15;
 Best Local Similarity 80.0%; Pred. No. 2e+02;
 Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 682 AGCGAGGAGTACTGA 696
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 Db 15 AGAGGAGGATGAGA 1

RESULT 400

AX301402/c
 LOCUS 10 bp DNA linear PAT 30-NOV-2001
 DEFINITION Sequence 116 from Patent WO0185941.
 ACCESSION AX301402
 VERSION AX301402.1 GI:17382485
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE
 1 Versteeg, R. and Caron, H.N.
 AUTHORS Myc targets
 TITLE Patent: WO 0185941-A 115 15-NOV-2001;
 JOURNAL Academisch Ziekenhuis bij de Universiteit van Amsterdam (NL)
 FEATURES
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 /organism='Homo sapiens'
 /mol_type='unassigned DNA'
 /db_xref='taxon:9606'

Query Match 8.3%; Score 10; DB 1; Length 10;
 Best Local Similarity 100.0%; Pred. No. 1.4e+02;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTA 749
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 Db 10 TTGAGGATTA 1

RESULT 401

AR408770
 LOCUS 11 bp DNA linear PAT 18-DEC-2003
 DEFINITION Sequence 9 from patent US 6632637.
 ACCESSION AR408770
 VERSION AR408770.1 GI:40159165
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 11)
 AUTHORS McGrew, J.T.
 TITLE Vectors and methods for recombinant protein expression
 JOURNAL Patent: US 6632637-A 9 14-OCT-2003;

FEATURES

source
 1..11
 /organism='unknown'
 /mol_type='genomic DNA'

Query Match 8.3%; Score 10; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 TGATAATATG 760
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 Db 2 TGATAATATG 11

RESULT 402

AX113068
 LOCUS 11 bp DNA linear PAT 01-MAY-2001
 DEFINITION Sequence 9 from Patent WO0127299.
 ACCESSION AX113068
 VERSION AX113068.1 GI:13939502
 KEYWORDS
 SOURCE Encephalomyocarditis virus
 ORGANISM Encephalomyocarditis virus
 Picornaviridae; Cardiovirus.
 REFERENCE 1
 AUTHORS McGrew, J.T.
 TITLE Vectors and methods for recombinant protein expression
 JOURNAL Patent: WO 0127299-A 9 19-APR-2001;
 IMMUNEX CORPORATION (US)
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 /organism='Encephalomyocarditis virus'
 /mol_type='unassigned DNA'
 /db_xref='taxon:12104'
 /note='Murine'

Query Match 8.3%; Score 10; DB 1; Length 11;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 TGATAATATG 760
 |||||
 Db 2 TGATAATATG 11

RESULT 403

AX708110
 LOCUS 11 bp DNA linear PAT 04-APR-2003
 DEFINITION Sequence 46 from Patent WO03014387.
 ACCESSION AX708110
 VERSION AX708110.1 GI:29564061
 KEYWORDS
 SOURCE synthetic construct
 ORGANISM synthetic construct
 REFERENCE 1
 AUTHORS Wojnowski, L. and Presecan-Siedel, E.
 TITLE Polymorphisms in the human gene for cyp1a2 and their use in
 JOURNAL diagnostic and therapeutic applications
 Patent: WO 03014387-A 46 20-FEB-2003;
 EPIDAURES BIOTECHNOLOGIE AG (DE)
 FEATURES
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 /organism='synthetic construct'
 /mol_type='unassigned DNA'
 /db_xref='taxon:32630'

Query Match 8.3%; Score 10; DB 1; Length 11;
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 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 657 GCTTTGGACA 666

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Db      2  GCTTTGACA 11
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RESULT 404
AX381020/c      AX381020      13 bp      DNA      linear      PAT 18-MAR-2002
LOCUS
DEFINITION      Sequence 61 from Patent WO0212456.
ACCESSION      AX381020
VERSION        AX381020.1  GI:19575850
KEYWORDS
SOURCE
ORGANISM      Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS      Drucker,D.J., Rosen,C.F. and Lefebvre,D.L.
TITLE        Ampk-related serine/threonine kinase, designated snark
JOURNAL      Patent: WO 0212456-A 61 14-FEB-2002;
1149336 ONTARIO INC. (CA)
FEATURES
source
1..13
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      666  AGAGGGTTTA 675
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Db      13  AGAGGGTTTA 4

RESULT 405
AX796615
LOCUS
DEFINITION      Sequence 13 from Patent WO03052134.
ACCESSION      AX796615
VERSION        AX796615.1  GI:37517272
KEYWORDS
SOURCE
ORGANISM      synthetic construct
artificial sequences.
REFERENCE
1
AUTHORS      Christensen,U.B. and Pedersen,E.B.
TITLE        Oligonucleotides comprising intercalator pseudonucleotide(s) for
detection of nucleic acids and mutants thereof
JOURNAL      Patent: WO 03052134-A 13 26-JUN-2003;
Unest A/S (DK)
FEATURES
source
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Location/Qualifiers
/organism="synthetic construct"
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/db_xref="taxon:32630"

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      735  TTACCTTGAG 744
|||||
Db      4  TTACCTTGAG 13

RESULT 406
AX796964
LOCUS
DEFINITION      Sequence 13 from Patent WO03052132.
ACCESSION      AX796964
VERSION        AX796964.1  GI:37517617
KEYWORDS
SOURCE
ORGANISM      synthetic construct
artificial sequences.
REFERENCE
1
AUTHORS      Christensen,U.B. and Pedersen,E.B.
TITLE        Pseudonucleotide comprising an intercalator
JOURNAL      Patent: WO 03051901-A 13 26-JUN-2003;
Unest A/S (DK)
FEATURES
source
1..13
Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"

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SOURCE
ORGANISM      synthetic construct
artificial sequences.
REFERENCE
1
AUTHORS      Christensen,U.B. and Pedersen,E.B.
TITLE        linear and hairpin oligonucleotide analogues comprising
intercalator pseudonucleotides
JOURNAL      Patent: WO 03052132-A 13 26-JUN-2003;
Unest A/S (DK)
FEATURES
source
1..13
Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      735  TTACCTTGAG 744
|||||
Db      4  TTACCTTGAG 13

RESULT 407
AX796981
LOCUS
DEFINITION      Sequence 13 from Patent WO03052133.
ACCESSION      AX796981
VERSION        AX796981.1  GI:37517634
KEYWORDS
SOURCE
ORGANISM      synthetic construct
artificial sequences.
REFERENCE
1
AUTHORS      Christensen,U.B. and Pedersen,E.B.
TITLE        Oligonucleotide analogues comprising intercalator pseudonucleotides
JOURNAL      Patent: WO 03052133-A 13 26-JUN-2003;
Unest A/S (DK)
FEATURES
source
1..13
Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      735  TTACCTTGAG 744
|||||
Db      4  TTACCTTGAG 13

RESULT 408
AX797249
LOCUS
DEFINITION      Sequence 13 from Patent WO03051901.
ACCESSION      AX797249
VERSION        AX797249.1  GI:37517902
KEYWORDS
SOURCE
ORGANISM      synthetic construct
artificial sequences.
REFERENCE
1
AUTHORS      Christensen,U.B. and Pedersen,E.B.
TITLE        Pseudonucleotide comprising an intercalator
JOURNAL      Patent: WO 03051901-A 13 26-JUN-2003;
Unest A/S (DK)
FEATURES
source
1..13
Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"

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/db_xref="taxon:32630"

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 735 TTACCTTGAG 744
Db 4 TTACCTTGAG 13

RESULT 409
LOCUS A89414 14 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 1562 from Patent WO9833904.
ACCESSION A89414
VERSION A89414.1 GI:6737984
KEYWORDS
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS Brysch, W. and Schlingensiepen, K.
TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL PATENT: WO 9833904-A 1562 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES
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/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"

Query Match      8.3%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 715 CTGTGGGCCA 724
Db 11 CTGTGGGCCA 2

RESULT 410
LOCUS A89415 14 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 1563 from Patent WO9833904.
ACCESSION A89415
VERSION A89415.1 GI:6737985
KEYWORDS
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS Brysch, W. and Schlingensiepen, K.
TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL PATENT: WO 9833904-A 1563 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES
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Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 715 CTGTGGGCCA 724
Db 13 CTGTGGGCCA 4

RESULT 411
AR403450

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LOCUS AR403450 14 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 1790 from patent US 6623962.
ACCESSION AR403450
VERSION AR403450.1 GI:40150900
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Akhtar, S., Fell, P. and McSwiggen, J. A.
TITLE Enzymatic nucleic acid treatment of diseases of conditions related to levels of epidermal growth factor receptors
JOURNAL Patent: US 6623962-A 1790 23-SEP-2003;
FEATURES
source
1..14
Location/Qualifiers
/organism="unknown"
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Query Match      8.3%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 654 ACAGCTTTGG 663
Db 3 ACAGCTTTGG 12

RESULT 412
LOCUS BD066927 14 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD066927
VERSION BD066927.1 GI:22612530
KEYWORDS JP 2001511000-A/1562.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS Schlingensiepen, K. H. and Brysch, W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 1562 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT
OS Unknown
PN JP 2001511000-A/1562
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PI 31-JAN-1997 EP 97101531.8
PC C12N15/11.C07H21/04.A61K31/70
CC An antisense oligonucleotide preparation method FH Key
Location/Qualifiers
1..14
FT source
/organism="Unknown".
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1..14
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/mol_type="genomic DNA"
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Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 715 CTGTGGGCCA 724
Db 11 CTGTGGGCCA 2

RESULT 413
LOCUS BD066928 14 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD066928

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Query Match	8.3%;	Score 10;	DB 1;	Length 14;
Best Local Similarity	100.0%;	Pred. No. 2e+02;		
Matches 10;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
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DB	3	ACAGCTTTGG	12	
RESULT 415				
BD209366/c				
LOCUS				
DEFINITION				
ACCESSION	BD209366		14 bp	RNA linear
VERSION	BD209366.1	GI:33019136		
KEYWORDS	JP 2002512791-A/2956.			
SOURCE	unidentified			
ORGANISM	unclassified.			
REFERENCE	1 (bases 1 to 14)			
AUTHORS	Blatt L., Meszigen, J.A., Roberts E., Pavco, P.A. and Macejak, D.			
TITLE	Enzymatic nucleic acid treatment of diseases or conditions related			
JOURNAL	to hepatitis C virus infection			
COMMENT	PATENT: JP 2002512791-A 2956 08-MAY-2002; RIBOZYME PHARMACEUTICALS INC OS Hepatitis virus (hepatitis C virus) PN JP 2002512791-A/2956 PD 08-MAY-2002 PF 26-APR-1999 JP 2000545391 PR 27-APR-1998 US 60/083217,18-SEP-1998 US 60/100842 PR 25-FEB-1999 US 09/257608,23-MAR-1999 US 09/274553 PI LAWRENCE BLATT,JAMES A MCSWIGGEN,ELISABETH ROBERTS,PAMELA A PI PAVCO, PI DENNIS MACEJAK PC C12N9/00,A61K31/7105,A61K48/00,A61P31/12,C12N15/09, PC A61K37/66, PC C12N15/00 CC Enzymatic nucleic acid treatment of diseases or conditions CC related to CC hepatitis C virus infection. FH Key Location/Qualifiers FT source 1..14 FT /organism='Hepatitis virus (hepatitis C FT virus)', Location/Qualifiers 1..14 /organism='unidentified' /mol_type='genomic RNA' /db_xref='taxon:32644'			
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QY	660	TTTGACAGAG	669	
DB	11	TTTGACAGAG	2	
RESULT 416				
ATH524882				
LOCUS				
DEFINITION				
ACCESSION	ATH524882		14 bp	DNA linear
VERSION	AJ524882.1	GI:26793118		
KEYWORDS	left border; T-DNA flanking sequence.			
SOURCE	Arabidopsis thaliana (thale cress)			
ORGANISM	Arabidopsis thaliana			
	Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;			

rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.

1
REFERENCE
AUTHORS
Brunaud,V., Balzerque,S., Dubreucq,B., Aubourg,S., Samson,F.,
Chauvin,S., Bechtold,N., Cruaud,C., DeRose,R., Pelletier,G.,
Lepiniec,L., Caboche,M. and Lecharny,A.
T-DNA integration into the Arabidopsis genome depends on sequences
of pre-insertion sites
EMBO Rep. 3 (12), 1152-1157 (2002)
22363535
MEDLINE
PUBMED
REFERENCE
AUTHORS
Balzerque,S.
TITLE
Direct Submission
JOURNAL
Submitted (21-NOV-2002) Balzerque S., UMRGV, INRA/CNRS, 2 rue
Gaston Cremieux, 91057 Evry cedex, FRANCE
COMMENT
PCR was performed on DNA from transformants of Arabidopsis thaliana
plants from INRA (Versailles). The DNA fragment(s) resulting from
the PCR were directly sequenced from the left or the right border
to determine the genomic sequence flanking the insertion. T-DNA
derived sequences were removed. Information to order the
corresponding mutant line and a link to a database providing a
graphical display of the insertion site are available at
http://dbsgap.versailles.inra.fr/publiclines/. This sequence has
been generated in the framework of the French plant genomics
program 'Genoplante' (http://www.genoplante.com and
http://genoplante-info.infobiogen.fr).

FEATURES
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1. .14
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Query Match 8.3%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 652 GAACAGCTTT 661
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Db 3 GAACAGCTTT 12

RESULT 417
ATH525521
LOCUS
DEFINITION
Arabidopsis thaliana T-DNA flanking sequence, left border, clone
098E03.
14 bp DNA linear PLN 29-MAR-2003

ACCESSION
AJ525521 GI:26793757
VERSION
left border; T-DNA flanking sequence.
KEYWORDS
Arabidopsis thaliana (thale cress)
SOURCE
Arabidopsis thaliana
ORGANISM
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.

REFERENCE
AUTHORS
Brunaud,V., Balzerque,S., Dubreucq,B., Aubourg,S., Samson,F.,
Chauvin,S., Bechtold,N., Cruaud,C., DeRose,R., Pelletier,G.,
Lepiniec,L., Caboche,M. and Lecharny,A.
T-DNA integration into the Arabidopsis genome depends on sequences
of pre-insertion sites
EMBO Rep. 3 (12), 1152-1157 (2002)
22363535
MEDLINE
PUBMED
REFERENCE
AUTHORS
Balzerque,S.
TITLE
Direct Submission
JOURNAL
Submitted (21-NOV-2002) Balzerque S., UMRGV, INRA/CNRS, 2 rue

Gaston Cremieux, 91057 Evry cedex, FRANCE
PCR was performed on DNA from transformants of Arabidopsis thaliana
plants from INRA (Versailles). The DNA fragment(s) resulting from
the PCR were directly sequenced from the left or the right border
to determine the genomic sequence flanking the insertion. T-DNA
derived sequences were removed. Information to order the
corresponding mutant line and a link to a database providing a
graphical display of the insertion site are available at
http://dbsgap.versailles.inra.fr/publiclines/. This sequence has
been generated in the framework of the French plant genomics
program 'Genoplante' (http://www.genoplante.com and
http://genoplante-info.infobiogen.fr).

FEATURES
Location/Qualifiers
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misc_feature
1. .14
/note="T-DNA flanking sequence
left border"

Query Match 8.3%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 652 GAACAGCTTT 661
|||||
Db 3 GAACAGCTTT 12

RESULT 418
ATH525565
LOCUS
DEFINITION
Arabidopsis thaliana T-DNA flanking sequence, left border, clone
099F07.
14 bp DNA linear PLN 29-MAR-2003

ACCESSION
AJ525565 GI:26793801
VERSION
left border; T-DNA flanking sequence.
KEYWORDS
Arabidopsis thaliana (thale cress)
SOURCE
Arabidopsis thaliana
ORGANISM
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.

REFERENCE
AUTHORS
Brunaud,V., Balzerque,S., Dubreucq,B., Aubourg,S., Samson,F.,
Chauvin,S., Bechtold,N., Cruaud,C., DeRose,R., Pelletier,G.,
Lepiniec,L., Caboche,M. and Lecharny,A.
T-DNA integration into the Arabidopsis genome depends on sequences
of pre-insertion sites
EMBO Rep. 3 (12), 1152-1157 (2002)
22363535
MEDLINE
PUBMED
REFERENCE
AUTHORS
Balzerque,S.
TITLE
Direct Submission
JOURNAL
Submitted (21-NOV-2002) Balzerque S., UMRGV, INRA/CNRS, 2 rue
Gaston Cremieux, 91057 Evry cedex, FRANCE
COMMENT
PCR was performed on DNA from transformants of Arabidopsis thaliana
plants from INRA (Versailles). The DNA fragment(s) resulting from
the PCR were directly sequenced from the left or the right border
to determine the genomic sequence flanking the insertion. T-DNA
derived sequences were removed. Information to order the
corresponding mutant line and a link to a database providing a
graphical display of the insertion site are available at
http://dbsgap.versailles.inra.fr/publiclines/. This sequence has
been generated in the framework of the French plant genomics
program 'Genoplante' (http://www.genoplante.com and
http://genoplante-info.infobiogen.fr).

FEATURES
Location/Qualifiers
1. .14


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Qy      652 GAACAGCTTT 661
Db      3 GAACAGCTTT 12

RESULT 420
ATH531187
LOCUS   Arabidopsis thaliana T-DNA flanking sequence, left border, clone
DEFINITION
ACCESSION AJ531187
VERSION   AJ531187.1 GI:26799447
KEYWORDS left border; T-DNA flanking sequence.
SOURCE    Arabidopsis thaliana (thale cress)
ORGANISM  Arabidopsis thaliana
          Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
          Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
          rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
REFERENCE
AUTHORS  Brunaud,V., Balzerque,S., Dubreucq,B., Aubourg,S., Samson,F.,
          Chauvin,S., Bechtold,N., Cruaud,C., DeRose,R., Pelletier,G.,
          Lepiniec,L., Caboche,M. and Lecharny,A.
          T-DNA integration into the Arabidopsis genome depends on sequences
          of pre-insertion sites
          EMBO Rep. 3 (12), 1152-1157 (2002)
JOURNAL  EMBO Rep. 3 (12), 1152-1157 (2002)
MEDLINE  22363535
PUBMED   12446565
REFERENCE 2 (bases 1 to 14)
AUTHORS  Balzerque,S.
TITLE     Direct Submission
JOURNAL   Submitted (21-NOV-2002) Balzerque S., UMRGV, INRA/CNRS, 2 rue
          Gaston Cremieux, 91057 Evry cedex, FRANCE
COMMENT   PCR was performed on DNA from transformants of Arabidopsis thaliana
          plants from INRA (Versailles). The DNA fragment(s) resulting from
          the PCR were directly sequenced from the left or the right border
          to determine the genomic sequence flanking the insertion. T-DNA
          derived sequences were removed. Information to order the
          corresponding mutant line and a link to a database providing a
          graphical display of the insertion site are available at
          http://dbgap.versailles.inra.fr/publiclines/. This sequence has
          been generated in the framework of the French plant genomics
          program 'Genoplante' (http://www.genoplante.com and
          http://genoplante-info.infobiogen.fr).

FEATURES             Location/Qualifiers
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     Best Local Similarity 100.0%; Pred. No. 2e+02;
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Qy      652 GAACAGCTTT 661
Db      3 GAACAGCTTT 12

RESULT 421
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LOCUS   Arabidopsis thaliana T-DNA insertion lines"
DEFINITION
ACCESSION AR056123
VERSION   AR056123.1 GI:5981700
KEYWORDS Sequence 327 from patent US 5837542.
SOURCE    Unknown.
ORGANISM  Unknown.

Qy      652 GAACAGCTTT 661
Db      3 GAACAGCTTT 12

RESULT 421
AR056123
LOCUS   Arabidopsis thaliana T-DNA insertion lines"
DEFINITION
ACCESSION AR056123
VERSION   AR056123.1 GI:5981700
KEYWORDS Sequence 327 from patent US 5837542.
SOURCE    Unknown.
ORGANISM  Unknown.

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RESULT	428
I39435/c	
LOCUS	I39435
DEFINITION	Sequence 473 from patent US 5616488.
ACCESSION	I39435
VERSION	I39435.1 GI:2083915
	linear
	15 bp DNA
	PAT 13-MAY-1999

RESULT	428
I39435/c	
LOCUS	I39435
DEFINITION	Sequence 473 from patent US 5616488.
ACCESSION	I39435
VERSION	I39435.1 GI:2083915
	linear
	15 bp DNA
	PAT 13-MAY-1999

REFERENCE AUTHORS	TITLE
1. J. H.
2. J. H.
3. J. H.
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REFERENCE	AUTHORS	TITLE
1	Stinchcomb, D. T., Dudyecz, L. W., Chowirri, K. A., Draper, K. G., Kisch, K. J., McSwiggen, J. A., Modak, A., Pavco, P., P. S., Sweeney, D., Thompson, J. D., Tracz, D. Wolf, T.	Method and reagent for inhibiting the
		unclassified.

B., Grimm, S., Direnzo, A., Matulic-Adamic, J., Sigelman, L., Sullivan, S.M., Usman, N., Wincott, F.E. and expression of disease related

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Best Local Similarity 100.0%; Pred. No. 2.2e+02;
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/db_xref="taxon:32644"

QY 655 CAGCTTTGGA 664
Db 3 CAGCTTTGGA 12

RESULT 431
AX6333228
LOCUS AX6333228 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 367 from Patent EP1260586.
ACCESSION AX6333228
VERSION AX6333228.1 GI:28468842
KEYWORDS
SOURCE
ORGANISM
unidentified
unclassified.
REFERENCE
1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related
genes
JOURNAL Patent: EP 1260586-A 367 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
source
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/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"

Query Match      8.3%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 655 CAGCTTTGGA 664
Db 2 CAGCTTTGGA 11

RESULT 432
AX635749/c
LOCUS AX635749 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 2888 from Patent EP1260586.
ACCESSION AX635749
VERSION AX635749.1 GI:28471363
KEYWORDS
SOURCE
ORGANISM
unidentified
unclassified.
REFERENCE
1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related
genes
JOURNAL Patent: EP 1260586-A 2888 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
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Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 672 TTTACTTTGC 681
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RESULT 433
AX635751/c
LOCUS AX635751 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 2890 from Patent EP1260586.
ACCESSION AX635751
VERSION AX635751.1 GI:28471365
KEYWORDS
SOURCE
ORGANISM
unidentified
unclassified.
REFERENCE
1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related
genes
JOURNAL Patent: EP 1260586-A 2890 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
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Query Match      8.3%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 672 TTTACTTTGC 681
Db 10 TTTACTTTGC 1

RESULT 434
AX635753/c
LOCUS AX635753 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 2892 from Patent EP1260586.
ACCESSION AX635753
VERSION AX635753.1 GI:28471367
KEYWORDS
SOURCE
ORGANISM
unidentified
unclassified.
REFERENCE
1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related
genes
JOURNAL Patent: EP 1260586-A 2892 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
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/organism="unidentified"
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Query Match      8.3%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 672 TTTACTTTGC 681
Db 10 TTTACTTTGC 1

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ACCESSION A07035
 VERSION A07035.1 GI:411311
 KEYWORDS
 SOURCE synthetic construct
 ORGANISM synthetic construct
 REFERENCE 1 (bases 1 to 14)
 AUTHORS Van Ooyen, A.J.J., Andreoli, P.M., Van Mourik, J.A. and Pannekoek, H.
 TITLE Method for the preparation of proteins with factor VIII activity by
 JOURNAL microbial host cells; expression vectors, host cells, antibodies
 PATENT: EP 0253455-A 15 20-JAN-1988;
 GIST-BROCADES N.V.
 FEATURES
 LOCATION/Qualifiers
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 1. .14
 /organism="synthetic construct"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32630"
 Query Match 8.1%; Score 9.8; DB 1; Length 14;
 Best Local Similarity 84.6%; Pred. No. 2.2e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 714 GCTGTGGGCCATC 726
 Db 2 GCTGAGGGCCCTC 14
 RESULT 440
 A15624/c
 LOCUS A15624 14 bp DNA linear PAT 18-FEB-1994
 DEFINITION oligonucleotide.
 ACCESSION A15624
 VERSION A15624.1 GI:489786
 KEYWORDS
 SOURCE synthetic construct
 ORGANISM synthetic construct
 REFERENCE 1 (bases 1 to 14)
 AUTHORS Carey, N.H., Doel, M.T., Harris, T.J.R., Lowe, P.A. and Emtege, J.S.
 TITLE A process for the production of a polypeptide
 JOURNAL Patent: EP 0068691-A 20 05-JAN-1983;
 CELLTECH LIMITED
 FEATURES
 LOCATION/Qualifiers
 source
 1. .14
 /organism="synthetic construct"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32630"
 Query Match 8.1%; Score 9.8; DB 1; Length 14;
 Best Local Similarity 84.6%; Pred. No. 2.2e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 758 ATGGGTCAAGAG 770
 Db 13 ATGGGTGAAGTAG 1
 RESULT 441
 A42652/c
 LOCUS A42652 14 bp DNA linear PAT 06-MAR-1997
 DEFINITION Sequence 170 from Patent WO9502051.
 ACCESSION A42652
 VERSION A42652.1 GI:2298101
 KEYWORDS
 SOURCE unidentified
 ORGANISM unidentified
 REFERENCE 1 (bases 1 to 14)
 AUTHORS Schlingensiepen, G., Schlingensiepen, R., Schlingensiepen, K. and
 TITLE A PHARMACEUTICAL COMPOSITION COMPRISING ANTISENSE-NUCLEIC ACID FOR
 PREVENTION AND/OR TREATMENT OF NEURONAL INJURY, DEGENERATION AND
 CELL DEATH AND FOR THE TREATMENT OF NEOPLASMS

JOURNAL Patent: WO 9502051-A 170 19-JAN-1995;
 COMMENT BIOGNOSTIK GES FUER BIOMOLEKUL (DE)
 OTHER PUBLICATION AU 7345694 950206.
 FEATURES
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 /organism="unidentified"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32644"
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 Best Local Similarity 84.6%; Pred. No. 2.2e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 671 GTTACTTTGCAG 683
 Db 13 GTCTGCTTTCAG 1
 RESULT 442
 A88841/c
 LOCUS A88841 14 bp DNA linear PAT 22-JAN-2000
 DEFINITION Sequence 989 from Patent WO9833904.
 ACCESSION A88841
 VERSION A88841.1 GI:6737411
 KEYWORDS
 SOURCE unidentified
 ORGANISM unidentified
 REFERENCE 1 (bases 1 to 14)
 AUTHORS Brysch, W. and Schlingensiepen, K.
 TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
 JOURNAL Patent: WO 9833904-A 989 06-AUG-1998;
 BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
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 LOCATION/Qualifiers
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 /organism="unidentified"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32644"
 Query Match 8.1%; Score 9.8; DB 1; Length 14;
 Best Local Similarity 84.6%; Pred. No. 2.2e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 671 GTTACTTTGCAG 683
 Db 13 GTCTGCTTTCAG 1
 RESULT 443
 AR059067/c
 LOCUS AR059067 14 bp DNA linear PAT 29-SEP-1999
 DEFINITION Sequence 3 from patent US 5837852.
 ACCESSION AR059067
 VERSION AR059067.1 GI:5984644
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 14)
 AUTHORS Chung, T.D.Y., Cianci, C.W., Hagen, M., Krystal, M. and Colomno, R.J.
 TITLE Capped nucleic acid oligomers that inhibit cap-dependent
 JOURNAL transcription of the influenza virus endonuclease
 PATENT: US 5837852-A 3 17-NOV-1998;
 FEATURES
 LOCATION/Qualifiers
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 /organism="unknown"
 /mol_type="unassigned DNA"
 Query Match 8.1%; Score 9.8; DB 1; Length 14;
 Best Local Similarity 84.6%; Pred. No. 2.2e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 736 TACCTTGAGGATT 748

[illegible][illegible]

Query Match 8.1%; Score 9.8; DB 1; Length 14;


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Best Local Similarity 84.6%; Pred. No. 2.2e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 686 GAAGATACGATT 698
Db 13 GTAGAACTGATT 1

RESULT 450
ARI132335/c
LOCUS ARI132335 15 bp DNA PAT 16-MAY-2001
DEFINITION Sequence 760 from patent US 6194150.
ACCESSION ARI132335
VERSION ARI132335.1 GI:14121240
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 760 27-FEB-2001;
FEATURES
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        /organism="unknown"
        /mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 760 GGGTCAAGAGTC 772
Db 15 GGGTAGAGAGTC 3

RESULT 451
ARI132336/c
LOCUS ARI132336 15 bp DNA PAT 16-MAY-2001
DEFINITION Sequence 761 from patent US 6194150.
ACCESSION ARI132336
VERSION ARI132336.1 GI:14121241
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 761 27-FEB-2001;
FEATURES
    source
    Location/Qualifiers
        1..15
        /organism="unknown"
        /mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 760 GGGTCAAGAGTC 772
Db 15 GGGTAGAGAGTC 3

RESULT 452
ARI13309
LOCUS ARI13309 15 bp DNA PAT 23-MAR-1994
DEFINITION Oligonucleotide Np3.
ACCESSION A15309
VERSION A15309.1 GI:512712
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
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artificial sequences.
1 (bases 1 to 15)
Ueda,I., Niwa,M., Saito,Y., Yamada,H. and Ishii,Y.
A process for the production of alpha-human atrial natriuretic
polypeptide
Patent: EP 0206769-A 48 30-DEC-1986;
FUJISAWA PHARMACEUTICAL CO., LTD
FEATURES
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    Location/Qualifiers
        1..15
        /organism="synthetic construct"
        /mol_type="unassigned DNA"
        /db_xref="taxon:32630"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 748 TATCGATAATATG 760
Db 3 TATCGATAAAATG 15

RESULT 453
A16509
LOCUS A16509 15 bp DNA PAT 17-MAR-1994
DEFINITION Oligonucleotide Np3.
ACCESSION A16509
VERSION A16509.1 GI:489897
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 15)
AUTHORS Ueda,I., Niwa,M., Saito,Y., Yamada,H. and Ishii,Y.
TITLE A process for the production of alpha-human atrial natriuretic
polypeptide
Patent: EP 0440311-A 65 07-AUG-1991;
FUJISAWA PHARMACEUTICAL CO., LTD
FEATURES
    source
    Location/Qualifiers
        1..15
        /organism="synthetic construct"
        /mol_type="unassigned DNA"
        /db_xref="taxon:32630"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 748 TATCGATAATATG 760
Db 3 TATCGATAAAATG 15

RESULT 454
A35592/c
LOCUS A35592 15 bp DNA PAT 02-DEC-1996
DEFINITION Synthetic human IFN-alpha 2 gene oligo.
ACCESSION A35592
VERSION A35592.1 GI:1926974
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 15)
AUTHORS Camble,R. and Edge,M.D.
TITLE Analogous interferon polypeptides, process for their preparation
and pharmaceutical compositions containing them
JOURNAL Patent: EP 0194006-A 37 10-SEP-1986;
IMPERIAL CHEMICAL INDUSTRIES PLC
FEATURES
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    Location/Qualifiers
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/db_xref="taxon:32630"

Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 756 ATATGGGTCAAGA 768
DB 15 ATATGGGTCTCTGA 3

RESULT 455
LOCUS A68183
DEFINITION Sequence 7 from Patent EP0814164.
ACCESSION A68183
VERSION A68183.1 GI:4759358
KEYWORDS
SOURCE unidentified
ORGANISM unclassified
REFERENCE 1 (bases 1 to 15)
AUTHORS Chung,K., Koh,Y., Hwang,J., Kim,D., Yun,Y. and Moon,H.
TITLE A novel cDNA of direct-acting fibrinolytic serine protease
JOURNAL Patent: EP 0814164-A 7 29-DEC-1997;
MCGAM BIOTECHNOLOGY RESEARCH I (KR)
FEATURES
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            /mol_type="unassigned DNA"
            /db_xref="taxon:32644"
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Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 61.5%; Pred. No. 2.4e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 754 TAATATGGGTCA 766
DB 2 TAATRTTGTGTYAA 14

RESULT 456
LOCUS A88391
DEFINITION Sequence 539 from Patent WO9833904.
ACCESSION A88391
VERSION A88391.1 GI:6736961
KEYWORDS
SOURCE unidentified
ORGANISM unclassified
REFERENCE 1 (bases 1 to 15)
AUTHORS Brysch,W. and Schlingensiepen,K.
TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL Patent: WO 9833904-A 539 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES
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Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 721 GCCATCTAGACCT 733
DB 1 GCCATCAATACCT 13

RESULT 457
LOCUS A90358
DEFINITION Sequence 539 from Patent EP0858579.
ACCESSION A90358
VERSION A90358.1 GI:6738872
KEYWORDS
SOURCE unidentified
ORGANISM unclassified
REFERENCE 1 (bases 1 to 15)
AUTHORS Brysch,W.D. and Schlingensiepen,K.D.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: EP 0858579-A 539 05-AUG-1998;
BIOGNOSTIK GES (DE)
FEATURES
    source
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            /organism="unidentified"
            /mol_type="unassigned DNA"
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Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 721 GCCATCTAGACCT 733
DB 1 GCCATCAATACCT 13

RESULT 458
LOCUS AR022323/c
DEFINITION Sequence 29 from patent US 5792640.
ACCESSION AR022323
VERSION AR022323.1 GI:3976385
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Chandrasegaran,S.
TITLE General method to clone hybrid restriction endonucleases using lig
JOURNAL Patent: US 5792640-A 29 11-AUG-1998;
FEATURES
    source
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            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 717 GTGGGCCCATCTAG 729
DB 13 GGGGGCCCACTAG 1

RESULT 459
LOCUS AR033427/c
DEFINITION Sequence 193 from patent US 5869253.
ACCESSION AR033427
VERSION AR033427.1 GI:5949032
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Draper,K.G.
TITLE Method and reagent for inhibiting hepatitis C virus replication
JOURNAL Patent: US 5869253-A 193 09-FEB-1999;
FEATURES
    Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"

Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 760 GGGTCAAGAGTC 772
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Db 13 GGGCAGAGAGTC 1

RESULT 460
AR041396
LOCUS AR041396 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 186 from patent US 5811300.
ACCESSION AR041396
VERSION AR041396.1 GI:5962392
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan,S., Draper,K., Kisich,K., Stinchcomb,D.T. and McSwiggen,J.
TITLE TNF-alpha. ribozymes
JOURNAL Patent: US 5811300-A 186 22-SEP-1998;
FEATURES Location/Qualifiers
1. .15
/mol_type="unassigned DNA"
source

Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAT 757
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Db 2 GATTATTATTAT 14

RESULT 461
AR041842
LOCUS AR041842 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 632 from patent US 5811300.
ACCESSION AR041842
VERSION AR041842.1 GI:5962338
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan,S., Draper,K., Kisich,K., Stinchcomb,D.T. and McSwiggen,J.
TITLE TNF-alpha. ribozymes
JOURNAL Patent: US 5811300-A 632 22-SEP-1998;
FEATURES Location/Qualifiers
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source

Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 670 GGGTCAAGAGTC 682
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Db 3 GGGCAGAGAGTC 15

RESULT 462
AR041843
LOCUS AR041843 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 633 from patent US 5811300.
ACCESSION AR041843
VERSION AR041843.1 GI:5962341
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan,S., Draper,K., Kisich,K., Stinchcomb,D.T. and McSwiggen,J.
TITLE TNF-alpha. ribozymes
JOURNAL Patent: US 5811300-A 633 22-SEP-1998;
FEATURES Location/Qualifiers
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Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 670 GGGTCAAGAGTC 682
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Db 3 GGGCAGAGAGTC 15

RESULT 463
AR041844
LOCUS AR041844 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 634 from patent US 5811300.
ACCESSION AR041844
VERSION AR041844.1 GI:5962340
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan,S., Draper,K., Kisich,K., Stinchcomb,D.T. and McSwiggen,J.
TITLE TNF-alpha. ribozymes
JOURNAL Patent: US 5811300-A 634 22-SEP-1998;
FEATURES Location/Qualifiers
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/mol_type="unassigned DNA"
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Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.8%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 670 GGGTCAAGAGTC 682
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Db 3 GGGCAGAGAGTC 15

RESULT 464
AR041845
LOCUS AR041845 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 635 from patent US 5811300.
ACCESSION AR041845
VERSION AR041845.1 GI:5962341
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan,S., Draper,K., Kisich,K., Stinchcomb,D.T. and McSwiggen,J.
TITLE TNF-alpha. ribozymes
JOURNAL Patent: US 5811300-A 635 22-SEP-1998;
FEATURES Location/Qualifiers
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/mol_type="unassigned DNA"
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Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.8%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 670 GGGTCAAGAGTC 682
   ||| ||| ||| ||| |||
Db 3 GGGCAGAGAGTC 15

RESULT 465
AR041846
LOCUS AR041846 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 636 from patent US 5811300.
ACCESSION AR041846
VERSION AR041846.1 GI:5962342
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan,S., Draper,K., Kisich,K., Stinchcomb,D.T. and McSwiggen,J.
TITLE TNF-alpha. ribozymes
JOURNAL Patent: US 5811300-A 636 22-SEP-1998;
FEATURES Location/Qualifiers
1. .15
/mol_type="unassigned DNA"
source
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Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 671 GTTACTTTGCGAG 683
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Db 1 GTCTACTTTGGAG 13

RESULT 465
LOCUS AR048508 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 7 from patent US 5821106.
ACCESSION AR048508
VERSION AR048508.1 GI:5970851
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Chung,K.-H., Koh,Y.-S., Hwang,J.-H., Kim,D.-S., Yun,Y.-D. and Moon,H.-M.
TITLE CDNA of direct-acting fibrinolytic serine protease
JOURNAL Patent: US 5821106-A 7 13-OCT-1998;
FEATURES
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        Location/Qualifiers
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Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 61.5%; Pred. No. 2.4e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAA 766
   |||||
Db 2 TRATRTTGTGTA 14

RESULT 466
LOCUS AR055812/c 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 16 from patent US 5837542.
ACCESSION AR055812
VERSION AR055812.1 GI:5981389
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and Draper,K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 16 17-NOV-1998;
FEATURES
    source
        Location/Qualifiers
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                /organism="unknown"
                /mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 713 TCGTGTGGCCCAT 725
   |||||
Db 14 TCGTGGGAGCCAT 2

RESULT 467
LOCUS AR055864 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 68 from patent US 5837542.
ACCESSION AR055864
VERSION AR055864.1 GI:5981441
KEYWORDS
SOURCE Unknown.

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ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and Draper,K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 68 17-NOV-1998;
FEATURES
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Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCT 740
   |||||
Db 2 AGACCTTTGTCT 14

RESULT 468
LOCUS AR055865 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 69 from patent US 5837542.
ACCESSION AR055865
VERSION AR055865.1 GI:5981442
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and Draper,K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 69 17-NOV-1998;
FEATURES
    source
        Location/Qualifiers
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                /organism="unknown"
                /mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCT 740
   |||||
Db 1 AGACCTTTGTCT 13

RESULT 469
LOCUS AR059066/c 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 2 from patent US 5837852.
ACCESSION AR059066
VERSION AR059066.1 GI:5984643
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Chung,T.D.Y., Ciampi,C.W., Hagen,M., Krystal,M. and Colomno,R.J.
TITLE Capped nucleic acid oligomers that inhibit cap-dependent transcription of the influenza virus endonuclease
JOURNAL Patent: US 5837852-A 2 17-NOV-1998;
FEATURES
    source
        Location/Qualifiers
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                /mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 736 TACCTTGAGGATT 748
Db 14 TAGCTTGAGTATT 2

RESULT 470
LOCUS AR113249/c 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 193 from patent US 6132966.
ACCESSION AR113249
VERSION AR113249.1 GI:14093571
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Draper,K.G.
TITLE Method and reagent for inhibiting hepatitis C virus replication
JOURNAL Patent: US 6132966-A 193 17-OCT-2000;
FEATURES Location/Qualifiers
source 1..15
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 760 GGGTCAAGAGTC 772
Db 13 GGGCAAGAGTC 1

RESULT 471
LOCUS AR113570/c 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 16 from patent US 6132967.
ACCESSION AR113570
VERSION AR113570.1 GI:14093892
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
Draper,K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of
intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 16 17-OCT-2000;
FEATURES Location/Qualifiers
source 1..15
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 713 TGCTGTGGGCCAT 725
Db 14 TGCTGGAGCCAT 2

RESULT 472
LOCUS AR113622 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 68 from patent US 6132967.
ACCESSION AR113622
VERSION AR113622.1 GI:14093944
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Draper,K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of
intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 68 17-OCT-2000;
FEATURES Location/Qualifiers
source 1..15
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 713 TGCTGTGGGCCAT 725
Db 14 TGCTGGAGCCAT 2

RESULT 473
LOCUS AR113623 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 69 from patent US 6132967.
ACCESSION AR113623
VERSION AR113623.1 GI:14093945
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
Draper,K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of
intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 69 17-OCT-2000;
FEATURES Location/Qualifiers
source 1..15
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCT 740
Db 2 AGACCTTTTGCCT 14

RESULT 474
LOCUS AR132337/c 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 762 from patent US 6194150.
ACCESSION AR132337
VERSION AR132337.1 GI:14121242
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 762 27-FEB-2001;
FEATURES Location/Qualifiers
source 1..15
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
Draper,K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of
intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 68 17-OCT-2000;
FEATURES Location/Qualifiers
source 1..15
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCT 740
Db 2 AGACCTTTTGCCT 14

RESULT 473
LOCUS AR113623 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 69 from patent US 6132967.
ACCESSION AR113623
VERSION AR113623.1 GI:14093945
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
Draper,K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of
intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 69 17-OCT-2000;
FEATURES Location/Qualifiers
source 1..15
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCT 740
Db 1 AGACCTTTTGCCT 13

RESULT 474
LOCUS AR132337/c 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 762 from patent US 6194150.
ACCESSION AR132337
VERSION AR132337.1 GI:14121242
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 762 27-FEB-2001;
FEATURES Location/Qualifiers
source 1..15
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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[illegible][illegible][illegible]

RESULT 480
ARI33206/c
LOCUS ARI33206 linear PAT 16-MAY-2001
DEFINITION Sequence 1631 from patent US 6194150.
ACCESSION ARI33206
VERSION ARI33206.1 GI:14122111
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 1631 27-FEB-2001;
FEATURES
Location/Qualifiers
1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 687 AAGTACTGATTG 699
Db 13 AAGATAGGATTG 1

RESULT 481
ARI33303/c
LOCUS ARI33303 linear PAT 16-MAY-2001
DEFINITION Sequence 1728 from patent US 6194150.
ACCESSION ARI33303
VERSION ARI33303.1 GI:14122208
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 1728 27-FEB-2001;
FEATURES
Location/Qualifiers
1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATG 752
Db 13 TGGAGGATAATTG 1

RESULT 482
ARI33887/c
LOCUS ARI33887 linear PAT 16-MAY-2001
DEFINITION Sequence 2312 from patent US 6194150.
ACCESSION ARI33887
VERSION ARI33887.1 GI:14122792
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 2312 27-FEB-2001;
FEATURES
Location/Qualifiers
1..15
/organism="unknown"

/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 705 CCGAAATTCGTCG 717
Db 14 CCGAAATTCGTCG 2

RESULT 483
ARI33888/c
LOCUS ARI33888 linear PAT 16-MAY-2001
DEFINITION Sequence 2313 from patent US 6194150.
ACCESSION ARI33888
VERSION ARI33888.1 GI:14122793
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 2313 27-FEB-2001;
FEATURES
Location/Qualifiers
1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 705 CCGAAATTCGTCG 717
Db 14 CCGAAATTCGTCG 2

RESULT 484
E02414/c
LOCUS E02414 linear PAT 29-SEP-1997
DEFINITION DNA encoding a part of HTLV-1 provirus.
ACCESSION E02414
VERSION E02414.1 GI:2170645
KEYWORDS JP 1990142474-A/9.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 15)
AUTHORS Nagamine,M. and Takei,H.
TITLE GENE FRAGMENT FOR PRIMER, PROBE FOR DETECTING GENE AND DETECTION OF HTLV-1 PROVIRUS WITH SAME PROBE
JOURNAL Patent: JP 1990142474-A 9 31-MAY-1990;
COMMENT TEIJIN LTD
OS Homo sapiens infected by HTLV-1
PN JP 1990142474-A/9
PD 31-MAY-1990
PF 24-NOV-1988 JP 1988294579
PI NAGAMINE MASARU, TAKEI HIROSHI
PC C12N15/11.C12Q1/68;
CC strandedness: Double;
CC topology: Linear;
CC hypothetical: No;
CC anti-sense: No;
PH Key
PH Key Location/Qualifiers
FT misc_feature 1..15
FT Location/Qualifiers
/note="DNA-9".
FT 1..15
/organism="unidentified"
/mol_type="genomic DNA"

AUTHORS Stinchcomb,D.T., McSwiggen,J., Newton,R.S. and Ramharack,R.

TITLE Ribozymes targeted to apo(a) mRNA

JOURNAL Patent: US 5599706-A 18:04-FEB-1997;

FEATURES
source

Location/Qualifiers
1. .15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;

Best Local Similarity 84.6%; Pred. No. 2.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 666 AGAGGGTTTACTT 678

Db 1 AGAGGCTTTCTT 13

RESULT 489

I43303

LOCUS I43303 15 bp DNA linear PAT 07-OCT-1997

DEFINITION Sequence 121 from patent US 5631146.

ACCESSION I43303

VERSION I43303.1 GI:2468547

KEYWORDS

SOURCE Unknown.

ORGANISM Unknown.

REFERENCE 1 (bases 1 to 15)

AUTHORS Szostak,J.W. and Huizenga,D.E.

TITLE DNA aptamers and catalysts that bind adenosine or

adenosine-5'-phosphates and methods for isolation thereof

JOURNAL Patent: US 5631146-A 12:20-MAY-1997;

FEATURES
source

Location/Qualifiers
1. .15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;

Best Local Similarity 84.6%; Pred. No. 2.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 738 CTTGAGGATTAT 750

Db 1 CTTGAGGAGTAT 13

RESULT 490

I50787/c

LOCUS I50787 15 bp DNA linear PAT 07-OCT-1997

DEFINITION Sequence 18 from patent US 5643727.

ACCESSION I50787

VERSION I50787.1 GI:2472490

KEYWORDS

SOURCE Unknown.

ORGANISM Unknown.

REFERENCE 1 (bases 1 to 15)

AUTHORS Reed,J.C. and Harigai,M.

TITLE BCL-2 gene inhibitory element binding factor

JOURNAL Patent: US 5643727-A 18:01-JUL-1997;

FEATURES
source

Location/Qualifiers
1. .15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;

Best Local Similarity 84.6%; Pred. No. 2.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 672 TTTACTTTGCACG 684

Db 14 TGTGCTTTGCACG 2

RESULT 491

I57656/c

LOCUS I57656 15 bp DNA linear PAT 07-OCT-1997

DEFINITION Sequence 193 from patent US 5610054.

ACCESSION I57656

VERSION I57656.1 GI:2482720

KEYWORDS

SOURCE Unknown.

ORGANISM Unknown.

REFERENCE 1 (bases 1 to 15)

AUTHORS Draper,K.G.

TITLE Enzymatic RNA molecule targeted against Hepatitis C virus

JOURNAL Patent: US 5610054-A 19:11-MAR-1997;

FEATURES
source

Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;

Best Local Similarity 84.6%; Pred. No. 2.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 760 GGGTCAGAGATC 772

Db 13 GGGGCAAGGAGTC 1

RESULT 492

I61703/c

LOCUS I61703 15 bp DNA linear PAT 07-OCT-1997

DEFINITION Sequence 257 from patent US 5658780.

ACCESSION I61703

VERSION I61703.1 GI:2479651

KEYWORDS

SOURCE Unknown.

ORGANISM Unknown.

REFERENCE 1 (bases 1 to 15)

AUTHORS Stinchcomb,D.T., Draper,K.G. and McSwiggen,J.

TITLE Rel a targeted ribozymes

JOURNAL Patent: US 5658780-A 25:19-AUG-1997;

FEATURES
source

Location/Qualifiers
1. .15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.1%; Score 9.8; DB 1; Length 15;

Best Local Similarity 84.6%; Pred. No. 2.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 729 GACCTTTTACCTT 741

Db 15 GTCCCTTTTACGTT 3

RESULT 493

I77603/c

LOCUS I77603 15 bp DNA linear PAT 03-APR-1998

DEFINITION Sequence 310 from patent US 5693532.

ACCESSION I77603

VERSION I77603.1 GI:3013757

KEYWORDS

SOURCE Unknown.

ORGANISM Unknown.

REFERENCE 1 (bases 1 to 15)

AUTHORS McSwiggen,J., Draper,K., Pavco,P. and Woolf,T.

TITLE Respiratory syncytial virus ribozymes

JOURNAL Patent: US 5693532-A 31:02-DEC-1997;

FEATURES
source

Location/Qualifiers
1. .15

VERSION	KEYWORDS	ORGANISM	REFERENCE	AUTHORS	TITLE	JOURNAL	FEATURES	source
AR180156.1	GI:20222189	Unknown.	Query Match	8.1%; Score 9.8; DB 1; Length 15;	Best Local Similarity	84.6%; Pred. No. 2.4e+02;	Mismatches 0; Gaps 0; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
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QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
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QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
DB	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2	14	TTGATGAATATTG 2
QY	740	TTGAGGATTATTG 752	11; Conservative	0; Mismatches 2; Indels 0;	Patent: US 6333152-A 224 25-DEC-2001;	Location/Qualifiers	1. .15	source
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Qy 689 GATACGATTGCT 701
| | | | |
Db 15 GTTACTGATTTC 3

SOURCE unidentified
ORGANISM unidentified
REFERENCE unclassified.

1
REFERENCE
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A., Karpeisky,A., Draper,K.G., Kisch,K., Matulic-Adamic,J., McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M., Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related genes
JOURNAL Patent: EP 1260586-A 44 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
source
1. .15
/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCT 740
Db 2 AGACCTTTTGCCT 14

RESULT 504
AX632907
LOCUS AX632907 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 46 from Patent EP1260586.
ACCESSION AX632907
VERSION AX632907.1 GI:28469521
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE unclassified.

REFERENCE
1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A., Karpeisky,A., Draper,K.G., Kisch,K., Matulic-Adamic,J., McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M., Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related genes
JOURNAL Patent: EP 1260586-A 46 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
source
1. .15
/organism="unidentified"
/mol_type="unassigned RNA"
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Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCT 740
Db 1 AGACCTTTTGCCT 13

RESULT 505
AX636170/c
LOCUS AX636170 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 3309 from Patent EP1260586.
ACCESSION AX636170
VERSION AX636170.1 GI:28471784
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE unclassified.

REFERENCE
1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A., Karpeisky,A., Draper,K.G., Kisch,K., Matulic-Adamic,J., McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M., Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related genes
JOURNAL Patent: EP 1260586-A 3309 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
source
1. .15
/organism="unidentified"
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Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 729 GACCTTTTACCTT 741
Db 15 GTCCTTTTACGTT 3

RESULT 506
AX636851
LOCUS AX636851 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 3990 from Patent EP1260586.
ACCESSION AX636851
VERSION AX636851.1 GI:28472465
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE unclassified.

REFERENCE
1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A., Karpeisky,A., Draper,K.G., Kisch,K., Matulic-Adamic,J., McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M., Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related genes
JOURNAL Patent: EP 1260586-A 3990 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
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1. .15
/organism="unidentified"
/mol_type="unassigned RNA"
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Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
Db 2 GATTATTATTAT 14

RESULT 507
AX637331
LOCUS AX637331 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 4470 from Patent EP1260586.
ACCESSION AX637331
VERSION AX637331.1 GI:28472945
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE unclassified.

REFERENCE
1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A., Karpeisky,A., Draper,K.G., Kisch,K., Matulic-Adamic,J.,

McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related
genes
JOURNAL RIBOZYME PHARMACEUTICALS, INC. (US)
PATENT: EP 1260586-A 4470 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
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DEFINITION Sequence 4476 from Patent EP1260586.
ACCESSION AX637333
VERSION AX637333.1 GI:28472947
KEYWORDS
SOURCE unidentified
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REFERENCE
AUTHORS
1 Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related
genes
JOURNAL RIBOZYME PHARMACEUTICALS, INC. (US)
PATENT: EP 1260586-A 4472 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
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KEYWORDS
SOURCE unidentified
ORGANISM unidentified
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AUTHORS
1 Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.

McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related
genes
JOURNAL RIBOZYME PHARMACEUTICALS, INC. (US)
PATENT: EP 1260586-A 4474 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
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VERSION AX637337.1 GI:28472951
KEYWORDS
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ORGANISM unidentified
REFERENCE
AUTHORS
1 Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related
genes
JOURNAL RIBOZYME PHARMACEUTICALS, INC. (US)
PATENT: EP 1260586-A 4476 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
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ACCESSION AX637854
VERSION AX637854.1 GI:28473468
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SOURCE unidentified
ORGANISM unidentified
REFERENCE
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1 Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related
genes
JOURNAL RIBOZYME PHARMACEUTICALS, INC. (US)
PATENT: EP 1260586-A 4993 27-NOV-2002;

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DEFINITION	Enzymatic nucleic acid treatment of diseases or conditions related to hepatitis C virus infection.		
ACCESSION	BD207160		
VERSION	BD207160.1 GI:33016930		
KEYWORDS	JP 200251791-A/750.		
SOURCE	unidentified		
ORGANISM	unclassified.		
REFERENCE	1 (bases 1 to 15)		
AUTHORS	Blatt,L., McSwiggen,J.A., Roberts,E., Pavco,P.A. and Macejak,D.		
TITLE	Enzymatic nucleic acid treatment of diseases or conditions related to hepatitis C virus infection		
JOURNAL	Patent: JP 2002512791-A 750 08-MAY-2002;		
COMMENT	RIBOZYME PHARMACEUTICALS INC OS Hepatitis virus (hepatitis C virus) PN JP 2002512791-A/750 PD 08-MAY-2002 PF 26-APR-1999 JP 2000545991 PR 27-APR-1998 US 60/083217, 18-SEP-1998 US 60/100842 PR 25-FEB-1999 US 09/257608, 23-MAR-1999 US 09/274553 PI LAWRENCE BLATT, JAMES A MCSWIGGEN, ELISABETH ROBERTS, PAMELA A PI PAVCO, PI DENNIS MACJEAK PC C12N3/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09, PC A61K37/66, PC C12N15/00, CC Enzymatic nucleic acid treatment of diseases or conditions CC related to		
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DEFINITION	Antisense oligonucleotide preparation method		
ACCESSION	BD065904		
VERSION	BD065904.1 GI:22611507		
KEYWORDS	JP 2001511000-A/539		
SOURCE	unidentified		
ORGANISM	unclassified.		
REFERENCE	1 (bases 1 to 15)		
AUTHORS	Schlingensiepen,K.H. and Brysch,W.		
TITLE	An antisense oligonucleotide preparation method		
JOURNAL	Patent: JP 2001511000-A 539 07-AUG-2001; BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH		
COMMENT	OS Unknown PN JP 2001511000-A/539 PD 07-AUG-2001 PF 30-JAN-1998 JP 1998532533 PR 31-JAN-1997 EP 97101531.8 PI KARL HERMANN SCHLINGENSIEPEN, WOLFGANG BRYSCH PC C12N15/11,C07H21/04,A61K31/70		

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DEFINITION	Enzymatic nucleic acid treatment of diseases or conditions related to hepatitis C virus infection.		
ACCESSION	BD207160		
VERSION	BD207160.1 GI:33016930		
KEYWORDS	JP 200251791-A/750.		
SOURCE	unidentified		
ORGANISM	unclassified.		
REFERENCE	1 (bases 1 to 15)		
AUTHORS	Blatt,L., McSwiggen,J.A., Roberts,E., Pavco,P.A. and Macejak,D.		
TITLE	Enzymatic nucleic acid treatment of diseases or conditions related to hepatitis C virus infection		
JOURNAL	Patent: JP 2002512791-A 750 08-MAY-2002;		
COMMENT	RIBOZYME PHARMACEUTICALS INC OS Hepatitis virus (hepatitis C virus) PN JP 2002512791-A/750 PD 08-MAY-2002 PF 26-APR-1999 JP 2000545991 PR 27-APR-1998 US 60/083217, 18-SEP-1998 US 60/100842 PR 25-FEB-1999 US 09/257608, 23-MAR-1999 US 09/274553 PI LAWRENCE BLATT, JAMES A MCSWIGGEN, ELISABETH ROBERTS, PAMELA A PI PAVCO, PI DENNIS MACJEAK PC C12N3/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09, PC A61K37/66, PC C12N15/00, CC Enzymatic nucleic acid treatment of diseases or conditions CC related to		
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DEFINITION	Enzymatic nucleic acid treatment of diseases or conditions related to hepatitis C virus infection.		
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KEYWORDS	JP 2001511000-A/539		
SOURCE	unidentified		
ORGANISM	unclassified.		
REFERENCE	1 (bases 1 to 15)		
AUTHORS	Schlingensiepen,K.H. and Brysch,W.		
TITLE	An antisense oligonucleotide preparation method		
JOURNAL	Patent: JP 2001511000-A 539 07-AUG-2001; BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH		
COMMENT	OS Unknown PN JP 2001511000-A/539 PD 07-AUG-2001 PF 30-JAN-1998 JP 1998532533 PR 31-JAN-1997 EP 97101531.8 PI KARL HERMANN SCHLINGENSIEPEN, WOLFGANG BRYSCH PC C12N15/11,C07H21/04,A61K31/70		


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DEFINITION Sequence 753 from Patent EPI229046.
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KEYWORDS
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ORGANISM  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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REFERENCE 1
AUTHORS   Zhan,J.
TITLE     Human testis expressed patched like protein
JOURNAL   Patent: EP 1229046-A 753 07-AUG-2002;
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KEYWORDS
SOURCE    Unknown.
ORGANISM  Unclassified.
REFERENCE 1 (bases 1 to 13)
AUTHORS   Murray,J.C. and Semina,E.
TITLE     Methods and compositions for the diagnosis and treatment of
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JOURNAL   Patent: US 6306586-A 14 23-OCT-2001;
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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Listing first 359 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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ALIGNMENTS

RESULT 1
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 ; Sequence 43, Application PC/TUS0210529
 ; GENERAL INFORMATION:
 ; APPLICANT: Isis Pharmaceuticals, Inc.
 ; APPLICANT: C. Frank Bennett
 ; APPLICANT: Jacqueline Wyatt
 ; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
 ; FILE REFERENCE: RTSP-0291
 ; CURRENT APPLICATION NUMBER: PCT/US02/10529
 ; CURRENT FILING DATE: 2002-04-02
 ; PRIOR APPLICATION NUMBER: 09/828,344
 ; PRIOR FILING DATE: 2001-04-05
 ; NUMBER OF SEQ ID NOS: 176
 ; SEQ ID NO 43
 ; LENGTH: 20
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Antisense Oligonucleotide
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 DB 20 GAACAGCTTTGGACAGAGGG 1
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 PCT-US02-10529-44/c
 ; Sequence 44, Application PC/TUS0210529

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; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTSP-0291
; CURRENT APPLICATION NUMBER: PCT/US02/10529
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/828,344
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 44
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-10529-44

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; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTSP-0291
; CURRENT APPLICATION NUMBER: PCT/US02/10529
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/828,344
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 176
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; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTSP-0291
; CURRENT APPLICATION NUMBER: PCT/US02/10529
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/828,344
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PCT-US02-10529-46

Query Match 16.5%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 20 CCTTTTACCTTGAGGATTA 1

RESULT 5
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; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTSP-0291
; CURRENT APPLICATION NUMBER: PCT/US02/10529
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/828,344
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 47
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-10529-47

Query Match 16.5%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 753 ATAATATGGTCAAGAGTC 772
DB 20 ATAATATGGTCAAGAGTC 1

RESULT 6
US-09-828-344-43/c
; Sequence 43, Application US/09828344
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 43
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-43

Query Match 16.5%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 652 GAACAGCTTTGACAGAGGG 671
```

```
Db      20 GAACAGCTTTGGACAGAGG 1

RESULT 7
US-09-828-344-44/c
; Sequence 44, Application US/09828344
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; PRIOR FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 44
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-44
Query Match      16.5%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      699 GCTGTACCCGAAATTCCTGT 718
      |||||
Db      20 GCTGTACCCGAAATTCCTGT 1

RESULT 8
US-09-828-344-45/c
; Sequence 45, Application US/09828344
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; PRIOR FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 45
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-45
Query Match      16.5%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      730 ACCTTTTACCTTGAGGATTA 749
      |||||
Db      20 ACCTTTTACCTTGAGGATTA 1

RESULT 9
US-09-828-344-46/c
; Sequence 46, Application US/09828344
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; PRIOR FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 46
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-46
Query Match      16.5%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      731 CCTTTTACCTTGAGGATTA 750
      |||||
Db      20 CCTTTTACCTTGAGGATTA 1

RESULT 10
US-09-828-344-47/c
; Sequence 47, Application US/09828344
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; PRIOR FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 47
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-47
Query Match      16.5%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      753 ATATATGGGTCAAGAGTC 772
      |||||
Db      20 ATATATGGGTCAAGAGTC 1

RESULT 11
US-09-396-196F-118570/c
; Sequence 118570, Application US/09396196F
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196F
; CURRENT FILING DATE: 2001-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 118570
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196F-118570
Query Match      15.4%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 37;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY      726 CTAGACCTTTTACCTTGAGGATTA 750
      |||||
Db      25 CAAGACATTTTACACTGAGGATTA 1
```

```
RESULT 12
US-09-396-196G-118570/c
; Sequence 118570, Application US/09396196G
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 118570
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-118570

Query Match      15.4%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 37;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTACCTTGAGGATTAT 750
Db 25 CAAGACATTTTACACTGAGGATTAT 1

RESULT 13
US-10-719-900-135169/c
; Sequence 135169, Application US/10719900
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135169
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-135169

Query Match      15.4%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 37;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 747 TTATTGATAATATGGTCAAGAAGT 771
Db 25 TTATTGTCATATGGTGAAGAAGT 1

RESULT 14
US-60-427-808-135169/c
; Sequence 135169, Application US/60427808
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528
; CURRENT APPLICATION NUMBER: US/60/427,808
; CURRENT FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135169
; LENGTH: 25
; TYPE: DNA
US-60-427-808-135169/c

Query Match      15.4%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 37;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 747 TTATTGATAATATGGTCAAGAAGT 771
Db 25 TTATTGTCATATGGTGAAGAAGT 1

RESULT 15
US-60-475-871-146821/c
; Sequence 146821, Application US/60475871
; GENERAL INFORMATION:
; APPLICANT: Wyeth Research
; APPLICANT: Mounts, William M.
; APPLICANT: Murphy, Ellen M.
; TITLE OF INVENTION: Staphylococcus Aureus Nucleic Acid Arrays
; FILE REFERENCE: AM101085
; CURRENT APPLICATION NUMBER: US/60/475,871
; CURRENT FILING DATE: 2003-06-05
; NUMBER OF SEQ ID NOS: 207175
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 146821
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Staphylococcus aureus
US-60-475-871-146821

Query Match      15.4%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 37;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 691 TACTGATTGCTGTACCCGAAATTC 715
Db 25 TACTGATTGTCAGTACCCAAAGTGC 1

RESULT 16
US-09-954-427A-65058
; Sequence 65058, Application US/09954427A
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Methods of Genetic Analysis of the Rat Genome
; FILE REFERENCE: 3112.1
; CURRENT APPLICATION NUMBER: US/09/954,427A
; CURRENT FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: 60/233,166
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 420907
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 65058
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus Norvegicus
US-09-954-427A-65058

Query Match      14.7%; Score 17.8; DB 1; Length 25;
Best Local Similarity 90.5%; Pred. No. 47;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 696 ATTGCTGTACCCGAAATTCCT 716
Db 5 ATTGCTGTACCCAGACATTGCT 25

RESULT 17
US-10-719-956-571464
; Sequence 571464, Application US/10719956
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
US-10-719-956-571464
; Sequence 571464, Application US/10719956
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
```


US-10-355-577-157378

Query Match 14.5%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 50;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 728 AGACCTTTTACCTTGAGGATATT 751
Db 1 AGACCTTTTACCTATAGTATCATT 24

RESULT 23

US-10-355-577-797965

; Sequence 797965, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/10/355,577
; CURRENT FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 797965
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-797965

Query Match 14.5%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 50;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 665 CAGAGGGTTTACTTGCAGCGGAA 688
Db 2 CAGAGGGTTTTCGTTACCGCGAA 25

RESULT 24

US-10-355-577-797966

; Sequence 797966, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/10/355,577
; CURRENT FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 797966
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-797966

Query Match 14.5%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 50;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 665 CAGAGGGTTTACTTGCAGCGGAA 688
Db 2 CAGAGGGTTTTCGTTACCGCGAA 25

RESULT 25

US-10-719-956-12994
; Sequence 12994, Application US/10719956
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,836

; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 12994
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-12994

Query Match 14.5%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 50;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 687 AGATACTGATTGCTGTACCGAA 710
Db 2 AAGGTACTGGCTGCTGTACCGAA 25

RESULT 26

US-60-353-987-157378
; Sequence 157378, Application US/60353987
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/60/353,987
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 157378
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-157378

Query Match 14.5%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 50;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 728 AGACCTTTTACCTTGAGGATATT 751
Db 1 AGACCTTTTACCTATAGTATCATT 24

RESULT 27

US-60-353-987-797965
; Sequence 797965, Application US/60353987
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/60/353,987
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 797965
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-797965

Query Match 14.5%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 50;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 665 CAGAGGGTTTACTTGCAGCGGAA 688
Db 2 CAGAGGGTTTTCGTTACCGCGAA 25

RESULT 28

US-60-353-987-797966
; Sequence 797966, Application US/60353987


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; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-UI33
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/60/353,987
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 797966
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-353-987-797966

Query Match
Best Local Similarity 14.5%; Score 17.6; DB 1; Length 25;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 665 CAGAGGGTTTACTTTGCAGCGGAA 688
DB 2 CAGAGGGTTTCTGTACCGGAA 25

RESULT 29
US-60-427-836-12994
; Sequence 12994, Application US/60427836
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527
; CURRENT APPLICATION NUMBER: US/60/427,836
; CURRENT FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 12994
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-60-427-836-12994

Query Match
Best Local Similarity 14.5%; Score 17.6; DB 1; Length 25;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 687 AAGTACTGCTGTACCGGAA 710
DB 2 AAGTACTGCTGTACCGGAA 25

RESULT 30
US-10-719-956-654033
; Sequence 654033, Application US/10719956
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,836
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 654033
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-654033

Query Match
Best Local Similarity 14.4%; Score 17.4; DB 1; Length 25;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 667 GAGGGTTTACTTTGCAGCG 685
DB 5 GAGGGTTTACTTTGCAGCG 23
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DB 5 GAGTGTTACTTTGCAGCG 23

RESULT 31
US-60-427-836-654033
; Sequence 654033, Application US/60427836
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527
; CURRENT APPLICATION NUMBER: US/60/427,836
; CURRENT FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 654033
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-60-427-836-654033

Query Match
Best Local Similarity 14.4%; Score 17.4; DB 1; Length 25;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 667 GAGGGTTTACTTTGCAGCG 685
DB 5 GAGTGTTACTTTGCAGCG 23

RESULT 32
US-09-953-570A-102376/c
; Sequence 102376, Application US/09953570A
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Yeast
; FILE REFERENCE: 3110.1
; CURRENT APPLICATION NUMBER: US/09/953,570A
; CURRENT FILING DATE: 2001-09-13
; PRIOR APPLICATION NUMBER: 60/232,638
; PRIOR FILING DATE: 2000-09-14
; NUMBER OF SEQ ID NOS: 138410
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 102376
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Saccharomyces cerevisiae
US-09-953-570A-102376

Query Match
Best Local Similarity 14.2%; Score 17.2; DB 1; Length 25;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 737 ACCTTGAGGATTATGATAATA 758
DB 25 ATCTTGAGGAGTAATGATAATA 4

RESULT 33
US-09-954-427A-14708/c
; Sequence 14708, Application US/09954427A
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Methods of Genetic Analysis of the Rat Genome
; FILE REFERENCE: 3112.1
; CURRENT APPLICATION NUMBER: US/09/954,427A
; CURRENT FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: 60/233,166
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 420907
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 14708
; LENGTH: 25
```

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; TYPE: DNA
; ORGANISM: Rattus Norvegicus
US-09-954-427A-14708

Query Match      14.2%; Score 17.2; DB 1; Length 25;
Best Local Similarity 86.4%; Pred. No. 56;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTACCTTGAGGAT 747
    |||||
Db 25 CTAACCTGTACCTTGAGGAT 4

RESULT 34
US-09-954-427A-395459/c
; Sequence 395459, Application US/09954427A
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Methods of Genetic Analysis of the Rat Genome
; FILE REFERENCE: 3112.1
; CURRENT APPLICATION NUMBER: US/09/954,427A
; CURRENT FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: 60/233,166
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 420907
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 395459
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus Norvegicus
US-09-954-427A-395459

Query Match      14.2%; Score 17.2; DB 1; Length 25;
Best Local Similarity 86.4%; Pred. No. 56;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 707 CGAAATTCGTGGGCCATCTA 728
    |||||
Db 23 CAATACTGCTGGGCCATCTAA 2

RESULT 35
US-10-719-956-313224/c
; Sequence 313224, Application US/10719956
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,836
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 313224
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-313224

Query Match      14.2%; Score 17.2; DB 1; Length 25;
Best Local Similarity 86.4%; Pred. No. 56;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 692 ACTGATTGCTGTACCCGAAATT 713
    |||||
Db 23 ACTGACTGCTGTACAGGAATT 2

RESULT 36
US-60-427-836-313224/c
; Sequence 313224, Application US/60427836
; GENERAL INFORMATION:
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; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527
; CURRENT APPLICATION NUMBER: US/60/427,836
; CURRENT FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 313224
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-60-427-836-313224

Query Match      14.2%; Score 17.2; DB 1; Length 25;
Best Local Similarity 86.4%; Pred. No. 56;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 692 ACTGATTGCTGTACCCGAAATT 713
    |||||
Db 23 ACTGACTGCTGTACAGGAATT 2

RESULT 37
US-09-954-427A-258435
; Sequence 258435, Application US/09954427A
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Methods of Genetic Analysis of the Rat Genome
; FILE REFERENCE: 3112.1
; CURRENT APPLICATION NUMBER: US/09/954,427A
; CURRENT FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: 60/233,166
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 420907
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 258435
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus Norvegicus
US-09-954-427A-258435

Query Match      14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 656 AGCTTTGGACAGAGGGTTTACTTTG 680
    |||||
Db 1 AACATCCACAGAGGGTTTCCTTTG 25

RESULT 38
US-09-954-445A-94035/c
; Sequence 94035, Application US/09954445A
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
; FILE REFERENCE: 3116.1
; CURRENT APPLICATION NUMBER: US/09/954,445A
; CURRENT FILING DATE: 2000-09-17
; PRIOR APPLICATION NUMBER: 60/233,620
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 431820
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 94035
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-954-445A-94035

Query Match      14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
Qy 712 TTGCTGTGGCCATCTAGACCTTTT 736
Db 25 TTGCTGTGGCAGCTAGAACTTGT 1

; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 31939
; LENGTH: 25
; TYPE: DNA
; ORGANISM: E. coli
US-09-956-604D-31939

Query Match 14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

RESULT 39
US-09-954-445A-120594/c
; Sequence 120594, Application US/09954445A
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
; FILE REFERENCE: 3116.1
; CURRENT APPLICATION NUMBER: US/09/954,445A
; PRIOR FILING DATE: 2000-09-17
; PRIOR APPLICATION NUMBER: 60/233,620
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 131820
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 120594
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-954-445A-120594

Query Match 14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 691 TACTGATTGCTGTACCCGAATGTC 715
Db 25 TACTTATTGCTGCTCCGAATATGC 1

; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 31213
; LENGTH: 25
; TYPE: DNA
; ORGANISM: E. coli
US-09-956-604D-31213

Query Match 14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 670 GGTTTACTTTGCGCGGAAGATACT 694
Db 1 GCGTGAATTGCTGGCGGAAGATACT 25

; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 955609
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-955609

Query Match 14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

RESULT 41
US-09-956-604D-31939/c
; Sequence 31939, Application US/09956604D
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia Coli
; FILE REFERENCE: 3117.1
; CURRENT APPLICATION NUMBER: US/09/956,604D
; PRIOR FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/234,049
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 141629
```

```
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 31939
; LENGTH: 25
; TYPE: DNA
; ORGANISM: E. coli
US-09-956-604D-31939

Query Match 14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

RESULT 42
US-10-355-577-164766
; Sequence 164766, Application US/103555577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-UI33
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/10/355,577
; CURRENT FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 164766
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-164766

Query Match 14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 728 AGACCTTTTACCTTGAGGATTATTG 752
Db 1 AGAGTTTTTACCTTCAGGAGTGTTG 25

; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 955609/c
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-955609/c

Query Match 14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

RESULT 43
US-10-355-577-955609/c
; Sequence 955609, Application US/103555577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-UI33
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/10/355,577
; CURRENT FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 955609
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-955609

Query Match 14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 745 GATTATTGATAATATGGTCAAGAA 769
Db 25 GATTCGTATAATATAGTGAAGAA 1

; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 10719900
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-719-900-135170/c

Query Match 14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

RESULT 44
US-10-719-900-135170/c
; Sequence 135170, Application US/10719900
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
```

```
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135170
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-135170

Query Match      14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 747 TTATTGATAATATGGTCAAGACT 771
Db 25 TTATTGCAATAGGTCAGACT 1

RESULT 45
US-60-233-620-94035/c
; Sequence 94035, Application US/60233620
; GENERAL INFORMATION:
; APPLICANT: Mitmann
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis of
; FILE REFERENCE: 3116
; CURRENT APPLICATION NUMBER: US/60/233,620
; CURRENT FILING DATE: 2000-10-24
; NUMBER OF SEQ ID NOS: 131820
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 94035
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank AC007212
US-60-233-620-94035

Query Match      14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 712 TTGCTGGGCACTAGACTTTT 736
Db 25 TTGCTGGGCACTAGACTTGT 1

RESULT 46
US-60-233-620-120594/c
; Sequence 120594, Application US/60233620
; GENERAL INFORMATION:
; APPLICANT: Mitmann
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis of
; FILE REFERENCE: 3116
; CURRENT APPLICATION NUMBER: US/60/233,620
; CURRENT FILING DATE: 2000-10-24
; NUMBER OF SEQ ID NOS: 131820
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 120594
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank U23794
US-60-233-620-120594
```

```
Query Match      14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 691 TACTGATTGCTGTACCGAATTC 715
Db 25 TACTTATTGCTGCTCCGATATGC 1

RESULT 47
US-60-353-987-164766
; Sequence 164766, Application US/60353987
; GENERAL INFORMATION:
; APPLICANT: Mitmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/60/353,987
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 164766
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-164766

Query Match      14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCTCAGGATTATG 752
Db 1 AGAGGTTTACCTCAGGAGTTG 25

RESULT 48
US-60-353-987-955609/c
; Sequence 955609, Application US/60353987
; GENERAL INFORMATION:
; APPLICANT: Mitmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/60/353,987
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 955609
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-955609

Query Match      14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 745 GATTATTGATAATATGGTCAAGAA 769
Db 25 GATTCTTATAATATAGGTGAAGAA 1

RESULT 49
US-60-427-808-135170/c
; Sequence 135170, Application US/60427808
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528
; CURRENT APPLICATION NUMBER: US/60/427,808
; CURRENT FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
```

```
; SEQ ID NO 135170
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-135170

Query Match      14.0%; Score 17; DB 1; Length 25;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 747 TTATTGATTAATAGGCTCAAGAGT 771
Db 25 TTATTGTCATAAGGCTGAGAAGT 1

RESULT 50
PCT-US02-10529-125/c
; Sequence 125, Application PC/TUS0210529
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTSP-0291
; CURRENT APPLICATION NUMBER: PCT/US02/10529
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/828,344
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 125
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-10529-125

Query Match      13.9%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 693 CTGATTGCTGTACCCGAAAT 712
Db 20 CTGACTGCTGTACTCGAAAT 1

RESULT 51
PCT-US02-10529-127/c
; Sequence 127, Application PC/TUS0210529
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTSP-0291
; CURRENT APPLICATION NUMBER: PCT/US02/10529
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/828,344
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 127
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-10529-127

Query Match      13.9%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 693 CTGATTGCTGTACCCGAAAT 712
Db 20 CTGACTGCTGTACTCGAAAT 1

RESULT 52
US-09-828-344-125/c
; Sequence 125, Application US/09828344
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 125
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-125

Query Match      13.9%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 693 CTGATTGCTGTACCCGAAAT 712
Db 20 CTGACTGCTGTACTCGAAAT 1

RESULT 53
US-09-828-344-127/c
; Sequence 127, Application US/09828344
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 127
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-127

Query Match      13.9%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 725 TCTAGACCTTTTACCTTGAG 744
Db 20 TCTAGACCTTTTACCTTGAG 1

RESULT 54
US-10-719-900-213099
; Sequence 213099, Application US/10719900
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
```

```
; SEQ ID NO 213099
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-213099

Query Match      13.9%; Score 16.8; DB 1; Length 25;
Best Local Similarity 90.0%; Pred. No. 63;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 715 CTGTGGGCCATCTAGACCTT 734
      |||||
Db 4 CTGTGGGCCATCTACACTTT 23

RESULT 55
US-60-427-808-213099
; Sequence 213099, Application US/60427808
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528
; CURRENT APPLICATION NUMBER: US/60/427,808
; CURRENT FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 213099
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-213099

Query Match      13.9%; Score 16.8; DB 1; Length 25;
Best Local Similarity 90.0%; Pred. No. 63;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 715 CTGTGGGCCATCTAGACCTT 734
      |||||
Db 4 CTGTGGGCCATCTACACTTT 23

RESULT 56
US-60-481-49641
; Sequence 49641, Application US/60507481
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION IN ANIMAL
; FILE REFERENCE: AM101084
; CURRENT APPLICATION NUMBER: US/60/507,481
; CURRENT FILING DATE: 2003-10-02
; NUMBER OF SEQ ID NOS: 210107
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 49641
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Canis familiaris
US-60-507-481-49641

Query Match      13.9%; Score 16.8; DB 1; Length 25;
Best Local Similarity 90.0%; Pred. No. 63;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 654 ACAGCTTTGGACAGAGGCTT 673
      |||||
Db 6 ACAGCTTTGACAGAGGTTT 25

RESULT 57
US-60-507-481-82376
; Sequence 82376, Application US/60507481
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION IN ANIMAL
; FILE REFERENCE: AM101084
; CURRENT APPLICATION NUMBER: US/60/507,481
; CURRENT FILING DATE: 2003-10-02
; NUMBER OF SEQ ID NOS: 210107
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 82376
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Canis familiaris
US-60-507-481-82376

Query Match      13.9%; Score 16.8; DB 1; Length 25;
Best Local Similarity 90.0%; Pred. No. 63;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 705 CCCGAAATTCCTGTGGGCCA 724
      |||||
Db 1 CCCGAAATCGCTGTGTGCCA 20

RESULT 58
PCT-US99-22855-3932/c
; Sequence 3932, Application PC/TUS9922855
; GENERAL INFORMATION:
; APPLICANT: Ceres, Inc.
; TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding
; FILE REFERENCE: 2750-0567F(PC)
; CURRENT APPLICATION NUMBER: PCT/US99/22855
; CURRENT FILING DATE: 1999-10-05
; NUMBER OF SEQ ID NOS: 3978
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3932
; LENGTH: 23
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:primer
PCT-US99-22855-3932

Query Match      13.7%; Score 16.6; DB 1; Length 23;
Best Local Similarity 82.6%; Pred. No. 61;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 734 TTTACCTTCAGGATTATTGATAA 756
      |||||
Db 23 TTTCCATTGAGCATTATTGATCA 1

RESULT 59
US-09-660-222-109462/c
; Sequence 109462, Application US/09660222
; GENERAL INFORMATION:
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis of Human
; FILE REFERENCE: 3102.1
; CURRENT APPLICATION NUMBER: US/09/660,222
; CURRENT FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: 60/164,973
; PRIOR FILING DATE: 1999-11-11
; NUMBER OF SEQ ID NOS: 140981
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 109462
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo Sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank U95020
```

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US-09-560-222-109462
Query Match      13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 689 GATACCTGATTGCTGTACCCGAAA 711
    ||||| ||||| ||||| ||||| |||||
Db 24 GGTACTGAGGGCTGTATCCGAAA 2

RESULT 60
US-09-553-570A-131881
; Sequence 131881, Application US/09953570A
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Yeast
; FILE REFERENCE: 3110.1
; CURRENT APPLICATION NUMBER: US/09/953,570A
; PRIOR FILING DATE: 2001-09-13
; PRIOR APPLICATION NUMBER: 60/232,638
; PRIOR FILING DATE: 2000-09-14
; NUMBER OF SEQ ID NOS: 138410
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 131881
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Saccharomyces cerevisiae
US-09-953-570A-131881

Query Match      13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 734 TTACCTTGAGGATTATTGATA 756
    ||||| ||||| ||||| ||||| |||||
Db 1 TTACCTTGAGGATTATTGATAA 23

RESULT 61
US-09-954-427-177254
; Sequence 177254, Application US/09954427
; GENERAL INFORMATION:
; APPLICANT: Mittman
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
; FILE REFERENCE: 3112
; CURRENT APPLICATION NUMBER: US/09/954,427
; PRIOR FILING DATE: 2001-09-17
; NUMBER OF SEQ ID NOS: 420907
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 177254
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank AA956534
US-09-954-427-177254

Query Match      13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 736 TACCTTGAGGATTATTGATA 758
    ||||| ||||| ||||| ||||| |||||
Db 3 TACCTTGAGGATTATTGATAA 25

RESULT 62
US-09-954-427A-82897
; Sequence 82897, Application US/09954427A
; GENERAL INFORMATION:
; APPLICANT: Michael Mittman
; TITLE OF INVENTION: Methods of Genetic Analysis of the Rat Genome
; FILE REFERENCE: 3112.1
; CURRENT APPLICATION NUMBER: US/09/954,427A
; PRIOR FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: 60/233,166
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 420907
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 82897
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus Norvegicus
US-09-954-427A-82897

Query Match      13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 713 TGCTGTGGGCATCTAGACCTTT 735
    ||||| ||||| ||||| ||||| |||||
Db 3 TGCTGCAGGCATCTAGACCTTT 25

RESULT 63
US-09-956-584-407130/c
; Sequence 407130, Application US/09956584
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Mus Musculus
; FILE REFERENCE: 3115.1
; CURRENT APPLICATION NUMBER: US/09/956,584
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/234,017
; PRIOR FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 605887
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 407130
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-956-584-407130

Query Match      13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 738 CCTTGAGGATTATTGATAATG 760
    ||||| ||||| ||||| ||||| |||||
Db 25 CCTTGAGTATTGTTTATAAGATG 3

RESULT 64
US-09-956-604-124792
; Sequence 124792, Application US/09956604
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
; FILE REFERENCE: 3117.1
; CURRENT APPLICATION NUMBER: US/09/956,604
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/234,049
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 141629
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 124792
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Escherichia coli
US-09-956-604-124792

Query Match      13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;

```

```
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 731 CCTTTTACCTTGAGGATTATGA 753
Db 2 CCTTCCACGCTGAGGATGATGA 24

RESULT 65
US-09-956-604A-124792
; Sequence 124792, Application US/09956604A
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
; FILE REFERENCE: 3117.1
; CURRENT APPLICATION NUMBER: US/09/956.604A
; PRIOR FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/234,049
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 141629
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 124792
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Escherichia coli
US-09-956-604A-124792

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 731 CCTTTTACCTTGAGGATTATGA 753
Db 2 CCTTCCACGCTGAGGATGATGA 24

RESULT 66
US-09-956-604B-124792
; Sequence 124792, Application US/09956604B
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
; FILE REFERENCE: 3117.1
; CURRENT APPLICATION NUMBER: US/09/956.604B
; PRIOR FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/234,049
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 141629
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 124792
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Escherichia coli
US-09-956-604B-124792

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 731 CCTTTTACCTTGAGGATTATGA 753
Db 2 CCTTCCACGCTGAGGATGATGA 24

RESULT 67
US-10-355-577-337141/c
; Sequence 337141, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/10/355,577
; CURRENT FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 337141
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-337141/c

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 731 CCTTTTACCTTGAGGATTATGA 753
Db 2 CCTTCCACGCTGAGGATGATGA 24
```

```
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 337141
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-337141/c

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 740 TTGAGGATTATGATAATATGG 762
Db 23 TTGAGGATTATGAGATATGG 1

RESULT 68
US-10-355-577-501333/c
; Sequence 501333, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/10/355,577
; CURRENT FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 501333
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-501333

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 674 TACTTTCGACGCGAGACTGTA 696
Db 24 TACTTTACAACGCGAGACTAA 2

RESULT 69
US-10-355-577-722880/c
; Sequence 722880, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/10/355,577
; CURRENT FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 722880
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-722880

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 689 GATACGTATGCTGTATCCGAAA 711
Db 24 GGTACTGAGGCTGTATCCGAAA 2

RESULT 70
US-10-355-577-825079
; Sequence 825079, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
```


RESULT 71
US-10-355-577-825080
; Sequence 825080, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-UI33
; CURRENT FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 825079
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-825079

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 658 CTTTGGACAGAGGTTTACTTTG 680
|||||
Db 3 CTGTGGCAGAGGTTGTCTTTG 25

RESULT 72
US-10-355-577-864849
; Sequence 864849, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-UI33
; CURRENT FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 825080
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-825080

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.8%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 658 CTTTGGACAGAGGTTTACTTTG 680
|||||
Db 3 CTGTGGCAGAGGTTGTCTTTG 25

RESULT 73
US-10-355-577-918008/c
; Sequence 918008, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-UI33
; CURRENT FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 918008
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-918008

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 732 CTTTACCTTTGAGGATTTATGAT 754
|||||
Db 2 CTTTACGATGATGATTTGAT 24

RESULT 73
US-10-355-577-918008/c
; Sequence 918008, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-UI33
; CURRENT FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 918008
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-918008

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 715 CTGTGGCCATCTAGACCTTTTA 737
|||||
Db 24 CTGTGCTCTTCTAGATCTTTTA 2

RESULT 74
US-10-719-900-77211/c
; Sequence 77211, Application US/10719900
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 77211
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-77211

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTACCTTGAGGATT 748
|||||
Db 23 CAAGACATTTTACACTGAGGATT 1

RESULT 75
US-10-719-900-488064
; Sequence 488064, Application US/10719900
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 488064
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-488064

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 720 GCCCATCTAGACCTTTTACCTTG 742
DB 3 GCCCATTTAGCGCTTACTTGG 25

RESULT 76
US-10-719-900-947717/c
; Sequence 947717, Application US/10719900
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 982314
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 947717
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-947717

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 750 TTGATAATATGGTCAAGAAGTC 772
DB 25 TTGTGCATATGGTCAAGAAGTC 3

RESULT 77
US-10-719-956-59147/c
; Sequence 59147, Application US/10719956
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,836
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 59147
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-59147

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTACCTTGAGGATT 748
DB 23 CAAGACATTTTACCTGAGGATT 1

RESULT 78
US-10-719-956-380285/c
; Sequence 380285, Application US/10719956
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956

; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,836
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 380285
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-380285

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 671 GTTACTTTGCACGCGAGATAC 693
DB 23 GTTTCTTTGCACGAGAGGTGC 1

RESULT 79
US-10-719-956-474663/c
; Sequence 474663, Application US/10719956
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,836
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 474663
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-474663

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 654 ACAGCTTTGCACGAGGGTTTAC 676
DB 23 ACAGTTTTCACGACGAGGTTTAC 1

RESULT 80
US-10-719-956-591473/c
; Sequence 591473, Application US/10719956
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,836
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 591473
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-591473

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 716 TGTGGCCATCTAGACCTTTTAC 738

```
Db 25 TCGGGGCCACCCAGAGCTTTTAC 3
;
; CURRENT FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 141629
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12485
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Escherichia coli
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank U00096
US-60-234-049-72485

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 731 CCTTTTACCTTGAGGATTATGA 753
|||||
Db 2 CCTTCCACCGTGAGGATGATGA 24

RESULT 84
US-60-353-987-337141/c
; Sequence 337141, Application US/603533987
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-UI33
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/60/353,987
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 337141
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-337141

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 740 TTGAGGATTATTGATAATATGG 762
|||||
Db 23 TTTAGGATAATTGAGAGTATGG 1

RESULT 85
US-60-353-987-501333/c
; Sequence 501333, Application US/603533987
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-UI33
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/60/353,987
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 501333
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-501333

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 674 TACTTTCGCGGGAAGATACTGA 696
|||||
Db 24 TACTTTACACCGGAGAGACTAA 2

RESULT 86
US-60-233-166-177254
; Sequence 177254, Application US/60233166
; GENERAL INFORMATION:
; APPLICANT: Mittmann
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
; FILE REFERENCE: 3112
; CURRENT APPLICATION NUMBER: US/60/233,166
; CURRENT FILING DATE: 2000-10-24
; NUMBER OF SEQ ID NOS: 420907
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 177254
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank AA956534
US-60-233-166-177254

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 736 TACCTTGAGGATTATTGATAATA 758
|||||
Db 3 TACCTTCAGGATTGTTCTTAATA 25

RESULT 87
US-60-234-017-433172/c
; Sequence 433172, Application US/60234017
; GENERAL INFORMATION:
; APPLICANT: Mittmann, M
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis of Mus
; FILE REFERENCE: 3115
; CURRENT APPLICATION NUMBER: US/60/234,017
; CURRENT FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 605887
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 433172
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank AV229722
US-60-234-017-433172

Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 738 CCTTGAGGATTATTGATAATATG 760
|||||
Db 25 CCTTGGATTATTGATAAGATG 3

RESULT 88
US-60-234-049-72485
; Sequence 72485, Application US/60234049
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis of
; FILE REFERENCE: 3117
; CURRENT APPLICATION NUMBER: US/60/234,049
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US-60-353-987-722880/c
; Sequence 722880, Application US/60353987
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/60/353,987
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 722880
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-722880
Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 689 GATAGTATTCTGTACCCGAAA 711
Db 24 GGTACTGAGGCTGTATCCGAAA 2

RESULT 87
US-60-353-987-825079
; Sequence 825079, Application US/60353987
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/60/353,987
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 825079
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-825079
Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 658 CTTTGCACAGAGGGTTTACTTTG 680
Db 3 CTGTGGCAGAGGGTGTCTTTG 25

RESULT 88
US-60-353-987-825080
; Sequence 825080, Application US/60353987
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/60/353,987
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 825080
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-825080
Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 658 CTTTGCACAGAGGGTTTACTTTG 680
```

```
Db 3 CTGTGGCAGAGGGTGTCTTTG 25

RESULT 89
US-60-353-987-864849
; Sequence 864849, Application US/60353987
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/60/353,987
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 864849
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-864849
Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 732 CTTTACCTTGAGGATTATTGAT 754
Db 2 CTTTACGATGATGATTGTGAT 24

RESULT 90
US-60-353-987-918008/c
; Sequence 918008, Application US/60353987
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/60/353,987
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 918008
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-918008
Query Match 13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 715 CTGTGGGCCATCTAGACCTTTTA 737
Db 24 CTGTGCTCCTTCTAGATCTTTTA 2

RESULT 91
US-60-427-808-77211/c
; Sequence 77211, Application US/60427808
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528
; CURRENT APPLICATION NUMBER: US/60/427,808
; CURRENT FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 77211
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-77211
```

```
Query Match      13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTACCTTGAGGATT 748
Db 23 CAAGACATTTTACACTGAGGATT 1

RESULT 92
US-60-427-808-488064
; Sequence 488064, Application US/60427808
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528
; CURRENT APPLICATION NUMBER: US/60/427,808
; CURRENT FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 488064
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-488064

Query Match      13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 720 GCCCATCTAGACCTTTTACTTGG 742
Db 3 GCCCATTTAGACCTTTTACTTGG 25

RESULT 93
US-60-427-808-947717/c
; Sequence 947717, Application US/60427808
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528
; CURRENT APPLICATION NUMBER: US/60/427,808
; CURRENT FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 947717
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-947717

Query Match      13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 750 TTGATATATGGGTCAAGAGTC 772
Db 25 TTGTGCATATGGGTGAGAGTC 3

RESULT 94
US-60-427-836-59147/c
; Sequence 59147, Application US/60427836
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527
; CURRENT APPLICATION NUMBER: US/60/427,836
; CURRENT FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 59147
```

```
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-60-427-836-59147

Query Match      13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTACCTTGAGGATT 748
Db 23 CAAGACATTTTACACTGAGGATT 1

RESULT 95
US-60-427-836-380285/c
; Sequence 380285, Application US/60427836
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527
; CURRENT APPLICATION NUMBER: US/60/427,836
; CURRENT FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 380285
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-60-427-836-380285

Query Match      13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 671 GTTTACTTTCAGCGGAAGATAC 693
Db 23 GTTTCTTTTCACGCGAAGGTGC 1

RESULT 96
US-60-427-836-474663/c
; Sequence 474663, Application US/60427836
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527
; CURRENT APPLICATION NUMBER: US/60/427,836
; CURRENT FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 474663
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-60-427-836-474663

Query Match      13.7%; Score 16.6; DB 1; Length 25;
Best Local Similarity 82.6%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 654 ACAGCTTTGGACAGAGGGTTTAC 676
Db 23 ACAGTTTTCACAGACAGGGTTTAC 1

RESULT 97
US-60-427-836-591473/c
; Sequence 591473, Application US/60427836
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527
```



```
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-10529-124

Query Match      13.6%; Score 16.4; DB 1; Length 20;
Best Local Similarity 94.4%; Pred. No. 55;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 678 TTGCAGCGGAAGATACGT 695
   |||||
Db 18 TTGCAGTGGAGATACGT 1

RESULT 103
US-09-828-344-124/c
; Sequence 124, Application US/09828344
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 124
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-124

Query Match      13.6%; Score 16.4; DB 1; Length 20;
Best Local Similarity 94.4%; Pred. No. 55;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 678 TTGCAGCGGAAGATACGT 695
   |||||
Db 18 TTGCAGTGGAGATACGT 1

RESULT 104
US-09-956-584-408725/c
; Sequence 408725, Application US/09956584
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Mus Musculus
; FILE REFERENCE: 3115.1
; CURRENT APPLICATION NUMBER: US/09/956,584
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/234,017
; PRIOR FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 605887
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 408725
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-956-584-408725

Query Match      13.6%; Score 16.4; DB 1; Length 25;
Best Local Similarity 94.4%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 657 GCTTTGGACAGAGGGTTT 674
   |||||
Db 23 GCTTTGGACAGAGGGTTT 6

RESULT 105
US-09-956-584-408725
```

```
US-60-234-017-445170/c
; Sequence 445170, Application US/60234017
; GENERAL INFORMATION:
; APPLICANT: Mittmann, M
; TITLE OF INVENTION: Methods of Genetic Analysis of Mus
; FILE REFERENCE: musculus
; CURRENT APPLICATION NUMBER: US/60/234,017
; CURRENT FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 605887
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 445170
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank AV379004
US-60-234-017-445170

Query Match      13.6%; Score 16.4; DB 1; Length 25;
Best Local Similarity 94.4%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 657 GCTTTGGACAGAGGGTTT 674
   |||||
Db 23 GCTTTGGACAGAGGGTTT 6

RESULT 106
US-60-469-545-103793/c
; Sequence 103793, Application US/60469545
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Methods of Genetic Analysis of SARS Virus
; FILE REFERENCE: 3602
; CURRENT APPLICATION NUMBER: US/60/469,545
; CURRENT FILING DATE: 2003-05-08
; NUMBER OF SEQ ID NOS: 238192
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 103793
; LENGTH: 25
; TYPE: DNA
; ORGANISM: SARS Virus
US-60-469-545-103793

Query Match      13.6%; Score 16.4; DB 1; Length 25;
Best Local Similarity 94.4%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 697 TTGCTGTACCGGAATTG 714
   |||||
Db 23 TTGCTGTATCCGAATTG 6

RESULT 107
US-60-469-545-103795/c
; Sequence 103795, Application US/60469545
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Methods of Genetic Analysis of SARS Virus
; FILE REFERENCE: 3602
; CURRENT APPLICATION NUMBER: US/60/469,545
; CURRENT FILING DATE: 2003-05-08
; NUMBER OF SEQ ID NOS: 238192
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 103795
; LENGTH: 25
; TYPE: DNA
; ORGANISM: SARS Virus
US-60-469-545-103795
```

Query Match 13.6%; Score 16.4; DB 1; Length 25;
Best Local Similarity 94.4%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 697 TTGCTGTACCGAAATTG 714
DB 21 TTGCTGTACCGAAATTG 4

RESULT 108

US-60-469-545-134382
; Sequence 134382, Application US/60469545

; GENERAL INFORMATION:

; APPLICANT: Michael Mittmann

; APPLICANT: Eric Schell

; TITLE OF INVENTION: Methods of Genetic Analysis of SARS Virus

; FILE REFERENCE: 3602

; CURRENT APPLICATION NUMBER: US/60/469,545

; CURRENT FILING DATE: 2003-05-08

; NUMBER OF SEQ ID NOS: 238192

; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

; SEQ ID NO 134382

; LENGTH: 25

; TYPE: DNA

; ORGANISM: SARS Virus

US-60-469-545-134382

Query Match 13.6%; Score 16.4; DB 1; Length 25;
Best Local Similarity 94.4%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 697 TTGCTGTACCGAAATTG 714
DB 5 TTGCTGTACCGAAATTG 22

RESULT 109

US-60-469-545-134384

; Sequence 134384, Application US/60469545

; GENERAL INFORMATION:

; APPLICANT: Michael Mittmann

; APPLICANT: Eric Schell

; TITLE OF INVENTION: Methods of Genetic Analysis of SARS Virus

; FILE REFERENCE: 3602

; CURRENT APPLICATION NUMBER: US/60/469,545

; CURRENT FILING DATE: 2003-05-08

; NUMBER OF SEQ ID NOS: 238192

; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

; SEQ ID NO 134384

; LENGTH: 25

; TYPE: DNA

; ORGANISM: SARS Virus

US-60-469-545-134384

Query Match 13.6%; Score 16.4; DB 1; Length 25;
Best Local Similarity 94.4%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 697 TTGCTGTACCGAAATTG 714
DB 3 TTGCTGTACCGAAATTG 20

RESULT 110

US-09-172-828-16/c

; Sequence 16, Application US/09172828

; GENERAL INFORMATION:

; APPLICANT: Children's Medical Center Corporation

; APPLICANT: Klagsbrun, Michael

; APPLICANT: Elenius, Klaus

; APPLICANT: Corfas, Gabriel

; TITLE OF INVENTION: Novel Human EGF Receptors and Use

; TITLE OF INVENTION: Thereof
; FILE REFERENCE: 47758-PCT
; CURRENT APPLICATION NUMBER: US/09/172,828
; CURRENT FILING DATE: 1998-10-15
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 16
; LENGTH: 24
; TYPE: DNA
; ORGANISM: mouse
US-09-172-828-16

Query Match 13.4%; Score 16.2; DB 1; Length 24;
Best Local Similarity 85.7%; Pred. No. 72;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 715 CTGTGGCCATCTAGACCTTT 735
DB 22 CTGTGGCCATCTGGACATT 2

RESULT 111

PCT-US02-10529-128/c

; Sequence 128, Application PC/TUS0210529

; GENERAL INFORMATION:

; APPLICANT: Isis Pharmaceuticals, Inc.

; APPLICANT: C. Frank Bennett

; APPLICANT: Jacqueline Wyatt

; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION

; FILE REFERENCE: RTSP-0291

; CURRENT APPLICATION NUMBER: PCT/US02/10529

; CURRENT FILING DATE: 2002-04-02

; PRIOR APPLICATION NUMBER: 09/828,344

; PRIOR FILING DATE: 2001-04-05

; NUMBER OF SEQ ID NOS: 176

; SEQ ID NO 128

; LENGTH: 20

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Antisense Oligonucleotide

PCT-US02-10529-128

Query Match 13.1%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 66;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTACCTGAG 744
DB 20 CTAGACCTTTTACCTTAAG 2

RESULT 112

US-09-828-344-128/c

; Sequence 128, Application US/09828344

; GENERAL INFORMATION:

; APPLICANT: C. Frank Bennett

; APPLICANT: Jacqueline Wyatt

; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION

; FILE REFERENCE: RTS-0147

; CURRENT APPLICATION NUMBER: US/09/828,344

; CURRENT FILING DATE: 2001-04-06

; NUMBER OF SEQ ID NOS: 176

; SEQ ID NO 128

; LENGTH: 20

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Antisense Oligonucleotide

US-09-828-344-128

Query Match 13.1%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 66;

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTACCTTGAG 744
Db 20 CTAGACCTTTACCTTAAG 2

RESULT 113

US-10-316-459-30/c
; Sequence 30, Application US/10316459
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Ravi Jain
; TITLE OF INVENTION: MODULATION OF BUB1-BETA EXPRESSION
; FILE REFERENCE: RTS-0461
; CURRENT APPLICATION NUMBER: US/10/316,459
; CURRENT FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 169
; SEQ ID NO 30
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-316-459-30

Query Match 12.7%; Score 15.4; DB 1; Length 20;
Best Local Similarity 94.1%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 692 ACTGATTGCTGTACCG 708
Db 17 ACTGATAGCTGTACCG 1

RESULT 114

US-10-316-459-108
; Sequence 108, Application US/10316459
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Ravi Jain
; TITLE OF INVENTION: MODULATION OF BUB1-BETA EXPRESSION
; FILE REFERENCE: RTS-0461
; CURRENT APPLICATION NUMBER: US/10/316,459
; CURRENT FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 169
; SEQ ID NO 108
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-316-459-108

Query Match 12.7%; Score 15.4; DB 1; Length 20;
Best Local Similarity 94.1%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 692 ACTGATTGCTGTACCG 708
Db 4 ACTGATAGCTGTACCG 20

RESULT 115

US-10-648-512-84
; Sequence 84, Application US/10648512
; GENERAL INFORMATION:
; APPLICANT: Hildebrandt, Friedhelm
; APPLICANT: Otto, Edgar
; APPLICANT: Hoeftle, Julia
; APPLICANT: Ruf, Rainer
; APPLICANT: Mueller, Adelheid M.
; APPLICANT: Hiller, Karl S.
; APPLICANT: Wolf, Matthias T.F.

; APPLICANT: Schuermann, Maria J.
; APPLICANT: Becker, Achim
; TITLE OF INVENTION: NPHP Nucleic Acids and Proteins
; FILE REFERENCE: UN-08333
; CURRENT APPLICATION NUMBER: US/10/648,512
; CURRENT FILING DATE: 2003-08-26
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 84
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-648-512-84

Query Match 12.7%; Score 15.4; DB 1; Length 20;
Best Local Similarity 94.1%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 662 GGACAGAGGGTTTACTT 678
Db 3 GGACAGAGGGTTTCTT 19

RESULT 116

PCT-US02-10529-129/c
; Sequence 129, Application PC/TUS0210529
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTSP-0291
; CURRENT APPLICATION NUMBER: PCT/US02/10529
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/828,344
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 129
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-10529-129

Query Match 12.6%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 79;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 727 TAGACCTTTTACCTTGAGGA 746
Db 20 TAGACCTTTACCTTAAGAA 1

RESULT 117

US-09-828-344-129/c
; Sequence 129, Application US/09828344
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 129
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide

US-09-828-344-129

Query Match 12.6%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 79;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 727 TAGACCTTTTACTTGAGGA 746
DB 20 TAGACCTTTCACCTTAAGAA 1

RESULT 118

US-10-231-845A-12/c
; Sequence 12, Application US/10231845A
; GENERAL INFORMATION:
; APPLICANT: JE-HO LEE
; APPLICANT: SEUNG-HOON LEE
; TITLE OF INVENTION: METHOD FOR USING THYMOSIN α -10 FOR GENE
; FILE REFERENCE: 118.17US01
; CURRENT APPLICATION NUMBER: US/10/231,845A
; CURRENT FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: Korean 2001-63524
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: E1b down primer
US-10-231-845A-12

Query Match 12.6%; Score 15.2; DB 1; Length 22;
Best Local Similarity 85.0%; Pred. No. 88;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 686 GAAGATACCTGATGCTGTAC 705
DB 22 GAAGATACAGATTGAGGTAC 3

RESULT 119

US-10-231-921-10/c
; Sequence 10, Application US/10231921
; GENERAL INFORMATION:
; APPLICANT: JE-HO LEE
; APPLICANT: SEUNG-HOON LEE
; TITLE OF INVENTION: METHOD FOR USING SMAD FOR GENE THERAPY
; FILE REFERENCE: G&G 118.16-US-01
; CURRENT APPLICATION NUMBER: US/10/231,921
; CURRENT FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: Korean Appln. No. 2001-71120
; PRIOR FILING DATE: 2001-11-15
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: E1b down primer
US-10-231-921-10

Query Match 12.6%; Score 15.2; DB 1; Length 22;
Best Local Similarity 85.0%; Pred. No. 88;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 686 GAAGATACCTGATGCTGTAC 705
DB 22 GAAGATACAGATTGAGGTAC 3

RESULT 120

US-10-310-188-54672
; Sequence 54672, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54672
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-54672

Query Match 12.2%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 89;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 737 ACCTTGAGGATTATTCAT 754
DB 3 ACCCTGAGGATTATTCAT 20

RESULT 121

US-60-216-745-13328/c
; Sequence 13328, Application US/60216745
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Abderrahim, Hadi
; APPLICANT: Dufaire-Gare, Isabelle
; TITLE OF INVENTION: BIALLELIC MARKER MAPS FOR USE IN CONSTRUCTING A HIGH DENSITY...
; FILE REFERENCE: 84.US1.PRO
; CURRENT APPLICATION NUMBER: US/60/216,745
; CURRENT FILING DATE: 2000-06-30
; NUMBER OF SEQ ID NOS: 13665
; SOFTWARE: Patent.pm
; SEQ ID NO 13328
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..21
; OTHER INFORMATION: downstream amplification primer 99-41092 for SEQ 4266, in compleme
US-60-216-745-13328

Query Match 12.2%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 94;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 752 GATAATATGGGTCAAGAA 769
DB 20 GATAATCTGGGTGAAGAA 3

RESULT 122

US-10-310-188-47603/c
; Sequence 47603, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19

; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47603
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-47603

Query Match 12.2%; Score 14.8; DB 1; Length 22;
Best Local Similarity 88.9%; Pred. No. 99;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 659 TTTGACAGAGGGTTTAC 676
DB 19 TTTGACATAGGTTTTC 2

RESULT 123

US-10-751-736-10589
; Sequence 10589, Application US/10751736
; GENERAL INFORMATION:

; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; FILE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: US/10/751,736
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
; PRIOR FILING DATE: 2003-01-06
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 10589
; LENGTH: 21
; TYPE: RNA
; ORGANISM: RNAi
US-10-751-736-10589

Query Match 12.1%; Score 14.6; DB 1; Length 21;
Best Local Similarity 42.9%; Pred. No. 99;
Matches 9; Conservative 8; Mismatches 4; Indels 0; Gaps 0;

QY 716 TGTGGCCCATCTAGACCTTTT 736
DB 1 UGUCCGCCUUCACACCUUUU 21

RESULT 124

US-10-751-736-10736
; Sequence 10736, Application US/10751736
; GENERAL INFORMATION:

; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; FILE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: US/10/751,736
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
; PRIOR FILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 10736
; LENGTH: 21
; TYPE: RNA
; ORGANISM: RNAi
US-10-751-736-10736

Query Match 12.1%; Score 14.6; DB 1; Length 21;

Best Local Similarity 42.9%; Pred. No. 99;
Matches 9; Conservative 8; Mismatches 4; Indels 0; Gaps 0;
QY 716 TGTGGCCCATCTAGACCTTTT 736
DB 1 UGUCCGCCUUCACACCUUUU 21

RESULT 125

PCT-US02-10529-126/c
; Sequence 126, Application PC/TUS0210529
; GENERAL INFORMATION:

; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTSP-0291
; CURRENT APPLICATION NUMBER: PCT/US02/10529
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/828,344
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 126
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-10529-126

Query Match 11.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 704 ACCGAAATTGCTGTG 719
DB 20 ACTCGAAATTGCTGTG 5

RESULT 126

PCT-US99-23170-28
; Sequence 28, Application PC/TUS9923170
; GENERAL INFORMATION:

; APPLICANT: C. Frank Bennett
; APPLICANT: Elizabeth J. Ackermann
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROTUBULE-ASSOCIATED PROTEIN 4 EXPRESSI
; FILE REFERENCE: ISPH-0394
; CURRENT APPLICATION NUMBER: PCT/US99/23170
; CURRENT FILING DATE: 1999-10-05
; EARLIER APPLICATION NUMBER: 09/289,368
; EARLIER FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 28
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US99-23170-28

Query Match 11.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 712 TTGCTGTGGCCATCT 727
DB 4 TTCTGTGGCCATCT 19

RESULT 127

US-09-828-344-126/c
; Sequence 126, Application US/09828344
; GENERAL INFORMATION:

```
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 126
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-126

Query Match 11.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 704 ACCGAAATTCCTGTG 719
DB 20 ACTCGAAATTCCTGTG 5

RESULT 128
US-09-958-293-28
; Sequence 28, Application US/09958293
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Elizabeth J. Ackermann
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROTUBULE-ASSOCIATED PROTEIN 4 EXPRESSION
; FILE REFERENCE: RTS-0169
; CURRENT APPLICATION NUMBER: US/09/958,293
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 09/289,368
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 28
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-958-293-28

Query Match 11.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 712 TTGCTGTGGCCATCT 727
DB 4 TTTCGTGTGGCCATCT 19

RESULT 129
US-09-548-954A-442
; Sequence 442, Application US/09548954A
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; APPLICANT: LITTLE, RANDALL
; APPLICANT: VAN EERDEWEGH, PAUL
; APPLICANT: DUPUIS, JOSEE
; APPLICANT: DEL MASTRO, RICHARD
; APPLICANT: SIMON, JASON
; APPLICANT: ALLEN, KRISTINA
; APPLICANT: PANBIT, SUNIL
; TITLE OF INVENTION: NOVEL HUMAN GENES RELATING TO RESPIRATORY DISEASES AND
; FILE REFERENCE: 2976-4040
; CURRENT APPLICATION NUMBER: US/09/548,954A
; CURRENT FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: 60/129,391
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/079,389
```

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; NUMBER OF SEQ ID NOS: 1282
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 442
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-548-954A-442

Query Match 11.9%; Score 14.4; DB 1; Length 22;
Best Local Similarity 93.8%; Pred. No. 1.1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 709 AAATTCCTGTGGCCA 724
DB 7 AAATTCCTGTGGCCA 22

RESULT 130
US-09-548-954B-442
; Sequence 442, Application US/09548954B
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; APPLICANT: LITTLE, RANDALL
; APPLICANT: VAN EERDEWEGH, PAUL
; APPLICANT: DUPUIS, JOSEE
; APPLICANT: DEL MASTRO, RICHARD
; APPLICANT: SIMON, JASON
; APPLICANT: ALLEN, KRISTINA
; APPLICANT: PANBIT, SUNIL
; TITLE OF INVENTION: NOVEL HUMAN GENES RELATING TO RESPIRATORY DISEASES AND
; FILE REFERENCE: 2976-4040
; CURRENT APPLICATION NUMBER: US/09/548,954B
; CURRENT FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: 60/129,391
; PRIOR FILING DATE: 1999-04-13
; NUMBER OF SEQ ID NOS: 1282
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 442
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-548-954B-442

Query Match 11.9%; Score 14.4; DB 1; Length 22;
Best Local Similarity 93.8%; Pred. No. 1.1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 709 AAATTCCTGTGGCCA 724
DB 7 AAATTCCTGTGGCCA 22

RESULT 131
US-10-419-341-25
; Sequence 25, Application US/10419341
; GENERAL INFORMATION:
; APPLICANT: Krishnan, Rajendra
; APPLICANT: Coleman, Rebecca A.
; APPLICANT: Yoder, Christine C.
; APPLICANT: Durtschi, Becky A.
; APPLICANT: Brake, David
; TITLE OF INVENTION: POLYNUCLEOTIDE MOLECULES ENCODING NEOSPORA PROTEINS
; FILE REFERENCE: PC9943A
; CURRENT APPLICATION NUMBER: US/10/419,341
; CURRENT FILING DATE: 2003-04-21
; PRIOR APPLICATION NUMBER: US/09/276,438
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/079,389
```

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; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/112,282
; PRIOR FILING DATE: 1998-12-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patentin Ver. 2.0 - beta
; SEQ ID NO 25
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Neospora caninum
US-10-419-341-25

Query Match      11.7%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 1.e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      667 GAGGTTTACTTTGCACGC 685
Db      1 GAGAGTTTCTTTGCACCG 19

RESULT 132
US-60-112-282-25
; Sequence 25, Application US/60112282
; GENERAL INFORMATION:
; APPLICANT: Krishnan, Rajendra
; APPLICANT: Coleman, Rebecca A
; APPLICANT: Yoder, Christine C
; APPLICANT: Durtzchi, Becky A
; APPLICANT: Brake, David
; TITLE OF INVENTION: POLYNUCLEOTIDE MOLECULES ENCODING NEOSPORA PROTEINS
; FILE REFERENCE: PC9943
; CURRENT APPLICATION NUMBER: US/60/112,282
; CURRENT FILING DATE: 1998-12-15
; EARLIER APPLICATION NUMBER: 60/079,389
; EARLIER FILING DATE: 1998-03-26
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patentin Ver. 2.0 - beta
; SEQ ID NO 25
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Neospora caninum
US-60-112-282-25

Query Match      11.7%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 1.e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      667 GAGGTTTACTTTGCACGC 685
Db      1 GAGAGTTTCTTTGCACCG 19

RESULT 133
PCT-US02-35597-26
; Sequence 26, Application PC/TUS0235597
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Andrew T. Watt
; APPLICANT: Isis Pharmaceuticals, Inc.
; TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
; FILE REFERENCE: RTSP-0434
; CURRENT APPLICATION NUMBER: PCT/US02/35597
; CURRENT FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 09/993,731
; PRIOR FILING DATE: 2001-11-13
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 26
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-35597-26

Query Match      11.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      706 CCGAAATTGCTGTGGGCCA 724
Db      2 CCGATCTTGGGTGGGCCA 20

RESULT 134
PCT-US02-35597A-26
; Sequence 26, Application PC/TUS0235597A
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Andrew T. Watt
; APPLICANT: Isis Pharmaceuticals, Inc.
; TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
; FILE REFERENCE: RTSP-0434
; CURRENT APPLICATION NUMBER: PCT/US02/35597A
; CURRENT FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 09/993,731
; PRIOR FILING DATE: 2001-11-13
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 26
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-35597A-26

Query Match      11.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      706 CCGAAATTGCTGTGGGCCA 724
Db      2 CCGATCTTGGGTGGGCCA 20

RESULT 135
US-09-993-731-26
; Sequence 26, Application US/09993731
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
; FILE REFERENCE: RTS-0302
; CURRENT APPLICATION NUMBER: US/09/993,731
; CURRENT FILING DATE: 2001-11-13
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 26
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-993-731-26

Query Match      11.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      706 CCGAAATTGCTGTGGGCCA 724
Db      2 CCGATCTTGGGTGGGCCA 20

RESULT 136
US-10-049-887-17/c
; Sequence 17, Application US/10049887
; OTHER INFORMATION:
PCT-US02-35597-26
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; APPLICANT: CHIBA, YASUNORI
; APPLICANT: KAINUMA, NAMI
; APPLICANT: TAKEUCHI, MAKOTO
; APPLICANT: KAWASHIMA, EIKO
; APPLICANT: YOSHIDA, SATOSHI
; APPLICANT: YAMANO, SHIGEKU
; APPLICANT: JIGAMI, YOSHIFUMI
; APPLICANT: ISHII, TOMOKO
; APPLICANT: SHINWA, YOH-ICHI
; APPLICANT: HIRAKI, YUSUKE
; TITLE OF INVENTION: NOVEL YEAST MUTANTS AND PROCESS FOR PRODUCING GLYCOPROTEIN
; TITLE OF INVENTION: CONTAINING MAMMALIAN TYPE SUGAR CHAIN
; FILE REFERENCE: 081356/0168
; CURRENT APPLICATION NUMBER: US/10/049,887
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: JP 11-233215
; PRIOR FILING DATE: 1999-08-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 17
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
; OTHER INFORMATION: (Primer)
US-10-049-887-17

Query Match      11.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 697 TTGCTGTACCCGAAATTC 715
    |||||
Db 20 TTGCTGTATCCCAACTGC 2

RESULT 137
US-10-310-188-49667
; Sequence 49667, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: Patent In version 3.1
; SEQ ID NO 49667
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-49667

Query Match      11.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 653 AACAGCTTGGACAGGG 671
    |||||
Db 1 AACACCTGTGGACAGGG 19

RESULT 138
US-10-293-338-6865
; Sequence 6865, Application US/10293338
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY GENES AND
; FILE REFERENCE: 45282
; CURRENT APPLICATION NUMBER: US/10/293,338

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; CURRENT FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 8785
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 6865
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-293-338-6865

Query Match      11.7%; Score 14.2; DB 1; Length 21;
Best Local Similarity 84.2%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAAGAGTC 772
    |||||
Db 1 TAAGATGGGTAGAGAGTC 19

RESULT 139
US-10-310-188-76186
; Sequence 76186, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 76186
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-76186

Query Match      11.7%; Score 14.2; DB 1; Length 21;
Best Local Similarity 84.2%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 725 TCTAGACCTTTTACCTGA 743
    |||||
Db 3 TCTAGACCTTTTACCTGA 21

RESULT 140
US-09-536-841-77/c
; Sequence 77, Application US/09536841
; GENERAL INFORMATION:
; APPLICANT: Far, Jian-Bing
; APPLICANT: Hirschhorn, Joel N.
; APPLICANT: Huang, Xiaohua
; APPLICANT: Kaplan, Paul
; APPLICANT: Lander, Eric S.
; APPLICANT: Lockhart, David
; APPLICANT: Ryder, Thomas
; APPLICANT: Sklar, Pamela
; TITLE OF INVENTION: UNIVERSAL ARRAYS
; FILE REFERENCE: 2825.1016-001
; CURRENT APPLICATION NUMBER: US/09/536,841
; CURRENT FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/126,473
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 60/140,359
; PRIOR FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 590
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 77
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-536-841-77

```

Query Match 11.6%; Score 14; DB 1; Length 21;
Best Local Similarity 87.5%; Pred. No. 1.2e+02;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGCCAT 725
|||||:|||||
DB 17 AATTCYGTGGCCAT 2

RESULT 141
US-10-730-771-77/c

; Sequence 77, Application US/10730771
; GENERAL INFORMATION:
; APPLICANT: Pan, Jian-Bing
; APPLICANT: Hirschhorn, Joel N.
; APPLICANT: Huang, Xiaohua
; APPLICANT: Kaplan, Paul
; APPLICANT: Lander, Eric S.
; APPLICANT: Lockhart, David J.
; APPLICANT: Ryder, Thomas
; APPLICANT: Sklar, Pamela
; TITLE OF INVENTION: UNIVERSAL ARRAYS
; FILE REFERENCE: 2825,1016-007
; CURRENT APPLICATION NUMBER: US/10/730,771
; CURRENT FILING DATE: 2003-12-08
; PRIOR APPLICATION NUMBER: US 60/126,473
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 60/140,359
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: US 09/536,841
; PRIOR FILING DATE: 2000-03-27
; NUMBER OF SEQ ID NOS: 590
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 77
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Template sequence
US-10-730-771-77

Query Match 11.6%; Score 14; DB 1; Length 21;
Best Local Similarity 87.5%; Pred. No. 1.2e+02;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGCCAT 725
|||||:|||||
DB 17 AATTCYGTGGCCAT 2

RESULT 142
US-10-723-361-7613

; Sequence 7613, Application US/10723361
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7613
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-7613

Query Match 11.4%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 730 ACCTTTTACCTTGAGGA 746
|||||:|||||
DB 1 ACCTGTGACCTTGAGGA 17

RESULT 143

US-10-723-361-7614
; Sequence 7614, Application US/10723361
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7614
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-7614

```
Query Match 11.4%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 731 CCTTTACCTTGAGGAT 747
DB 1 CCTGTGACCTTGAGGAT 17

RESULT 144
US-08-657-139-20/c
; Sequence 20, Application US/08657139
; GENERAL INFORMATION:
; APPLICANT: Lahti, Jill M.
; APPLICANT: Kidd, Vincent J.
; TITLE OF INVENTION: CYCLIN-C VARIANT, AND DIAGNOSTIC AND
; TITLE OF INVENTION: THERAPEUTIC USES THEREOF
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/657,139
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 1340-1-001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Oligonucleotides C-14"
; HYPOTHETICAL: NO
; US-08-657-139-20

Query Match 11.4%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 756 ATATGGGTCAAGAGTC 772
DB 17 ATATGGGCCAAGAGAC 1

RESULT 146
US-09-997-664-40
; Sequence 40, Application US/09997664
; GENERAL INFORMATION:
; APPLICANT: Ben-Bassat, Arie
; APPLICANT: Cattermole, Monica
; APPLICANT: Gatenby, Anthony A.
; APPLICANT: Gibson, Katherine J.
; APPLICANT: Ramos-Gonzalez, Isabel
; APPLICANT: Ramos, Juan
; APPLICANT: Sariaslani, Sima
; TITLE OF INVENTION: Method for the Production of p-Hydroxybenzoate in Species of
; FILE REFERENCE: BCI018 US CIP
; CURRENT APPLICATION NUMBER: US/09/997,664
; CURRENT FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 09/585,174
; PRIOR FILING DATE: 2000-06-01
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 40
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
; OTHER INFORMATION: primer used for sequencing pcu
; US-09-997-664-40

Query Match 11.4%; Score 13.8; DB 1; Length 19;
```



```
Best Local Similarity 88.2%; Pred. No. 1.1e+02; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 2;

QY 699 GCTGTACCCGAAATTCG 715
DB 2 GCCGTACCCGAAATTCG 18

RESULT 147
US-10-464-952-40
; Sequence 40, Application US/10464952
; GENERAL INFORMATION:
; APPLICANT: Ben-Bassat, Arie
; APPLICANT: Cattermole, Monica
; APPLICANT: Gatenby, Anthony A.
; APPLICANT: Gibson, Katherine J.
; APPLICANT: Ramos-Gonzalez, Isabel
; APPLICANT: Ramos, Juan
; APPLICANT: Sarsisani, Sima
; TITLE OF INVENTION: Method for the Production of p-Hydroxybenzoate in Species of
; TITLE OF INVENTION: Pseudomonas and Agrobacterium
; FILE REFERENCE: BC1018 US NA
; CURRENT APPLICATION NUMBER: US/10/464,952
; CURRENT FILING DATE: 2003-06-19
; PRIOR APPLICATION NUMBER: US/09/585,174
; PRIOR FILING DATE: 2000-06-01
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 40
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
; FEATURE:
; OTHER INFORMATION: primer used for sequencing pcu
US-10-464-952-40
Query Match 11.4%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 1.1e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 699 GCTGTACCCGAAATTCG 715
DB 2 GCCGTACCCGAAATTCG 18

RESULT 148
US-09-514-000-14727/c
; Sequence 14727, Application US/09514000
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-1015490B
; CURRENT APPLICATION NUMBER: US/09/514,000
; CURRENT FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 15034
; SEQ ID NO 14727
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
US-09-514-000-14727
Query Match 11.4%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 681 CAGCGGAGACTGAT 697
DB 18 CAGCGGAGACTGAT 2
```

```
RESULT 149
US-09-719-714-28/c
; Sequence 28, Application US/09719714
; GENERAL INFORMATION:
; APPLICANT: Leary, Jeffrey J.
; APPLICANT: Tal-Singer, Ruth
; TITLE OF INVENTION: Method For Detecting, Analyzing, and
; TITLE OF INVENTION: Mapping RNA Transcripts
; FILE REFERENCE: P50772
; CURRENT APPLICATION NUMBER: US/09/719,714
; CURRENT FILING DATE: 2000-12-15
; PRIOR APPLICATION NUMBER: 60/090,464
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: PCT/US99/13813
; PRIOR FILING DATE: 1999-06-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 28
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-719-714-28
Query Match 11.4%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 701 TGATCCCGAAATTCG 717
DB 17 TGATCCCGAAATTCG 1

RESULT 150
US-10-310-188-80857/c
; Sequence 80857, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: Rosettagemonics
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 80857
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-80857
Query Match 11.4%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAATATGG 761
DB 18 GATTATTGATAATATGG 2

RESULT 151
US-10-388-281-28/c
; Sequence 28, Application US/10388281
; GENERAL INFORMATION:
; APPLICANT: Leary, Jeffrey J.
; APPLICANT: Tal-Singer, Ruth
; TITLE OF INVENTION: Method For Detecting, Analyzing, and
; TITLE OF INVENTION: Mapping RNA Transcripts
; FILE REFERENCE: P50772C1
; CURRENT APPLICATION NUMBER: US/10/388,281
; CURRENT FILING DATE: 2003-03-13
; PRIOR APPLICATION NUMBER: 09/719,714
; PRIOR FILING DATE: 2000-12-15
; PRIOR APPLICATION NUMBER: 60/090,464
```

```
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: PCT/US99/13813
; PRIOR FILING DATE: 1999-06-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 28
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-388-281-28

Query Match      11.4%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      701 TGTACCCGGAATTGCTG 717
Db      17 TGTACCCGGAATTGCTG 1

RESULT 152
PCT-US00-29829A-77
; Sequence 77, Application PC/TUS0029829A
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowsett
; APPLICANT: Isis Pharmaceuticals, Inc.
; TITLE OF INVENTION: ANTISENSE MODULATION OF NUCLEOLIN EXPRESSION
; FILE REFERENCE: RTSP-0076
; CURRENT APPLICATION NUMBER: PCT/US00/29829A
; CURRENT FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: 09/433,699
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 77
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US00-29829A-77

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      694 TGATTGCTGTACCCGAAATT 713
Db      1 TGATTGCTGTGCTCAATT 20

RESULT 153
PCT-US01-06572A-133
; Sequence 133, Application PC/TUS0106572A
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Ian Popoff
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PARP EXPRESSION
; FILE REFERENCE: RTSP-0115
; CURRENT APPLICATION NUMBER: PCT/US01/06572A
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 09/517,647
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 133
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US01-06572A-133

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      691 TACTGATTGCTGTACCCGAA 710
Db      1 TATTAACCTCTGTACCCGAA 20

RESULT 154
PCT-US02-10529-121/c
; Sequence 121, Application PC/TUS0210529
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTSP-0291
; CURRENT APPLICATION NUMBER: PCT/US02/10529
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/828,344
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 121
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-10529-121

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      654 ACAGCTTTGGACAGAGGGTT 673
Db      20 ACAGCCTCGGCAGATGGTT 1

RESULT 155
PCT-US02-10529-122/c
; Sequence 122, Application PC/TUS0210529
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTSP-0291
; CURRENT APPLICATION NUMBER: PCT/US02/10529
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/828,344
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 122
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-10529-122

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      656 AGCTTTGGACAGAGGGTTTA 675
Db      20 AGCCTCGGCAGATGGTTTA 1

RESULT 156
PCT-US02-10529-123/c
```

```
; Sequence 123, Application PC/TUS0210529
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTSP-0291
; CURRENT APPLICATION NUMBER: PCT/US02/10529
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/828,344
; PRIOR FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 123
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-10529-123

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      662 GGACAGAGGCTTACTTTGC 681
Db      20 GGGCAGATGCTTTATGTTC 1

RESULT 157
PCT-US02-12006-35
; Sequence 35, Application PC/TUS0212006
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Andrew T. Watt
; APPLICANT: Isis Pharmaceuticals, Inc.
; TITLE OF INVENTION: ANTISENSE MODULATION OF INTERFERON GAMMA RECEPTOR 1 EXPRESSION
; FILE REFERENCE: RTSP-0292
; CURRENT APPLICATION NUMBER: PCT/US02/12006
; CURRENT FILING DATE: 2002-04-16
; PRIOR APPLICATION NUMBER: 09/843,376
; PRIOR FILING DATE: 2001-04-26
; NUMBER OF SEQ ID NOS: 88
; SEQ ID NO 35
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-12006-35

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      675 ACTTTGACGCGGAGAGATACT 694
Db      1 ACTTTGCATAGCGCAGATTCT 20

RESULT 158
PCT-US02-28550-36
; Sequence 36, Application PC/TUS0228550
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monja
; APPLICANT: Lex M. Cowest
; TITLE OF INVENTION: ANTISENSE MODULATION OF PKA REGULATORY SUBUNIT RII ALPHA EXPRESSION
; FILE REFERENCE: RTSP-0410
; CURRENT APPLICATION NUMBER: PCT/US02/28550
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: 09/954,560
; PRIOR FILING DATE: 2001-09-11
```

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; NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 36
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-28550-36

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      714 GCTGTGGGCCATCTAGACCT 733
Db      1 GCAGCGGCAATCTCGACCT 20

RESULT 159
PCT-US03-16216-57/c
; Sequence 57, Application PC/TUS0316216
; GENERAL INFORMATION:
; APPLICANT: Hong Zhang
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Isis Pharmaceuticals, Inc.
; TITLE OF INVENTION: ANTISENSE MODULATION OF VEGF-C EXPRESSION
; FILE REFERENCE: PFS-0036WO
; CURRENT APPLICATION NUMBER: PCT/US03/16216
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 10/173,718
; PRIOR FILING DATE: 2002-06-17
; NUMBER OF SEQ ID NOS: 125
; SEQ ID NO 57
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US03-16216-57

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      737 ACCTTGAGGATTATTGATAA 756
Db      20 ATCTTGAAAAAGTATTGATAA 1

RESULT 160
US-08-779-830-3/c
; Sequence 3, Application US/08779830
; GENERAL INFORMATION:
; APPLICANT: Hei, Derek J.
; TITLE OF INVENTION: Methods And Devices For The Removal Of
; TITLE OF INVENTION: Psoralens And Other Pathogen-Inactivating Agents From
; TITLE OF INVENTION: Blood Products
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,830
; FILING DATE: 06-JAN-1997
```

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Soumoff, Cynthia
REGISTRATION NUMBER: 38,314
REFERENCE/DOCKET NUMBER: CERUS-02322
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
US-08-779-830-3

Query Match 11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 695 GATTGCTGTACCCGAAATTG 714
Db 20 GAGTGCCTTCCCGAAATTG 1

RESULT 161
US-08-779-885-3/c
Sequence 3, Application US/08779885
GENERAL INFORMATION:
APPLICANT: Heit, Derek J.
TITLE OF INVENTION: Methods And Devices For The Removal Of
Porphyrins And Other Pathogen-Inactivating Agents From
Blood Products
TITLE OF INVENTION: Blood Products
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Medlen & Carroll, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States Of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/779,885
FILING DATE: 07-JAN-1997
CLASSIFICATION: 210
ATTORNEY/AGENT INFORMATION:
NAME: Soumoff, Cynthia
REGISTRATION NUMBER: 38,314
REFERENCE/DOCKET NUMBER: CERUS-02322
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
US-08-779-885-3

Query Match 11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 695 GATTGCTGTACCCGAAATTG 714
Db 20 GAGTGCCTTCCCGAAATTG 1

RESULT 162
US-09-433-699-77
Sequence 77, Application US/09433699A
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Lex M. Cowser
TITLE OF INVENTION: ANTISENSE MODULATION OF NUCLEOLIN EXPRESSION
FILE REFERENCE: RTS-0109
CURRENT APPLICATION NUMBER: US/09/433,699A
CURRENT FILING DATE: 1999-11-03
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 77
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-433-699-77

Query Match 11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 694 TGATTGCTGTACCCGAAATT 713
Db 1 TGATTGCTGTCCCTCAATT 20

RESULT 163
US-09-514-000-8087
Sequence 8087, Application US/09514000
GENERAL INFORMATION:
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15490)B
CURRENT APPLICATION NUMBER: US/09/514,000
CURRENT FILING DATE: 2000-02-23
NUMBER OF SEQ ID NOS: 15034
SEQ ID NO 8087
LENGTH: 20
TYPE: DNA
ORGANISM: Agrobacterium tumefaciens
US-09-514-000-8087

Query Match 11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 657 GCTTTCGACAGAGGTTTAC 676
Db 1 GCTTTCGACAGAGCGGATAC 20

RESULT 164
US-09-828-344-121/c
Sequence 121, Application US/09828344
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
FILE REFERENCE: RTS-0147
CURRENT APPLICATION NUMBER: US/09/828,344
CURRENT FILING DATE: 2001-04-06
NUMBER OF SEQ ID NOS: 176
SEQ ID NO 121
LENGTH: 20
TYPE: DNA

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-121

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 654 ACAGCTTTGGACAGAGGTTT 673
DB 20 ACAGCTCGGCAGATGTTT 1

RESULT 165
US-09-828-344-122/c
; Sequence 122, Application US/09828344
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 122
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-122

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 656 AGCTTTGGACAGAGGTTT 675
DB 20 AGCTCGGCAGATGTTT 1

RESULT 166
US-09-828-344-123/c
; Sequence 123, Application US/09828344
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 123
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-123

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 662 GGACAGAGGTTTACTTGC 681
DB 20 GGCAGATGTTTATGTTG 1

RESULT 167
US-10-111-860-77
; Sequence 77, Application US/10111860
```

```
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF NUCLEOLIN EXPRESSION
; FILE REFERENCE: RTP-0310
; CURRENT APPLICATION NUMBER: US/10/111,860
; CURRENT FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: 09/433,699
; PRIOR FILING DATE: 1000-11-03
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 77
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-111-860-77

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 694 TGATTGCTGTACCCGAAATT 713
DB 1 TGATTGCTGTCCCTCAATT 20

RESULT 168
US-10-131-831-8994
; Sequence 8994, Application US/10131831
; GENERAL INFORMATION:
; APPLICANT: Wohlgenuth, Jay
; APPLICANT: Fry, Kirk
; APPLICANT: Woodward, Robert
; APPLICANT: LV, Ngoc
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING
; FILE REFERENCE: 506612000121
; CURRENT APPLICATION NUMBER: US/10/131,831
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: US 10/006,290
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/296,764
; PRIOR FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 9190
; SOFTWARE: Patent version 3.1
; SEQ ID NO 8994
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-131-831-8994

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 677 TTTCAGCGGAGACTGTA 696
DB 1 TCTGCCGAGGAGACTGTA 20

RESULT 169
US-10-148-835-65
; Sequence 65, Application US/10148835
; GENERAL INFORMATION:
; APPLICANT: SAITO et al.
; TITLE OF INVENTION: MUTANT ER alpha AND TEST SYSTEMS FOR TRANSACTIVATION
; FILE REFERENCE: 2185-0648P
; CURRENT APPLICATION NUMBER: US/10/148,835
; CURRENT FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 213
```

```
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 65
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Designed
; OTHER INFORMATION: oligonucleotide primer for PCR
US-10-148-935-65

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 721 GCCATCTAGACTTTTACT 740
Db 1 GCCCTCTACACATTTTCCT 20

RESULT 170
US-10-173-718-57/c
; Sequence 57, Application US/10173718
; GENERAL INFORMATION:
; APPLICANT: Hong Zhang
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF VEGF-C EXPRESSION
; FILE REFERENCE: PTS-0036
; CURRENT APPLICATION NUMBER: US/10/173,718
; CURRENT FILING DATE: 2002-06-17
; NUMBER OF SEQ ID NOS: 125
; SEQ ID NO 57
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-173-718-57

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 737 ACCTTGAGGATTATTCATAA 756
Db 20 ATCTGAAAGATTGATTA 1

RESULT 171
US-10-316-230-32
; Sequence 32, Application US/10316230
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: MODULATION OF AAC-11 EXPRESSION
; FILE REFERENCE: HTS-0065
; CURRENT APPLICATION NUMBER: US/10/316,230
; CURRENT FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 32
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-316-230-32

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 702 GTACCCGAAATTCCTGTGG 721
Db 1 TCTGCCGAGGAGACACTGA 20

RESULT 174
US-10-331-907-331/c
; Sequence 331, Application US/10331907
; GENERAL INFORMATION:
; APPLICANT: Wollgemuth, Jay
; APPLICANT: Fry, Kirk
; APPLICANT: LV, Ngoc
; APPLICANT: Woodward, Robert
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING TRANSPLANT
; FILE REFERENCE: 506612000122
; CURRENT APPLICATION NUMBER: US/10/325,899
; CURRENT FILING DATE: 2002-12-20
; PRIOR FILING DATE: 2001-06-08
; PRIOR FILING DATE: 2001-10-22
; PRIOR FILING DATE: 2002-04-24
; NUMBER OF SEQ ID NOS: 9966
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8994
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-325-899-8994

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 677 TTTCACGCGAAGACTGA 696
Db 1 TCTGCCGAGGAGACACTGA 20

RESULT 173
US-10-325-899-8994
; Sequence 8994, Application US/10325899
; GENERAL INFORMATION:
; APPLICANT: Wollgemuth, Jay
; APPLICANT: Fry, Kirk
; APPLICANT: LV, Ngoc
; APPLICANT: Woodward, Robert
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING TRANSPLANT
; FILE REFERENCE: 506612000122
; CURRENT APPLICATION NUMBER: US/10/325,899
; CURRENT FILING DATE: 2002-12-20
; PRIOR FILING DATE: 2001-06-08
; PRIOR FILING DATE: 2001-10-22
; PRIOR FILING DATE: 2002-04-24
; NUMBER OF SEQ ID NOS: 9966
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8994
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-325-899-8994

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 702 GTACCCGAAATTCCTGTGG 721
Db 20 GTACTTGAATGCTTTGGG 1

RESULT 172
US-10-316-230-61/c
; Sequence 61, Application US/10316230
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: MODULATION OF AAC-11 EXPRESSION
; FILE REFERENCE: HTS-0065
; CURRENT APPLICATION NUMBER: US/10/316,230
; CURRENT FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 61
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; OTHER INFORMATION:
US-10-316-230-61

Query Match      11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 702 GTACCCGAAATTCCTGTGG 721
Db 20 GTACTTGAATGCTTTGGG 1
```

APPLICANT: Todd, John A
Hess, John W
Caskey, Charles T
Cox, Roger D
Gerhold, David
Hammond, Holly
Hey, Patricia
Kawaguchi, Yoshihiko
Merriman, Tony R
Metzker, Michael L
TITLE OF INVENTION: Novel LDL-Receptor
NUMBER OF SEQUENCES: 455
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon and Vanderhye
STREET: 1100 North Glebe Road, Eighth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: US
ZIP: VA 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25 (BPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/331,907
FILING DATE: 31-Dec-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/402,923A
FILING DATE: 14-Feb-2001
APPLICATION NUMBER: PCT/GB98/01102
FILING DATE: 15-Apr-1998
APPLICATION NUMBER: US 60/043,553
FILING DATE: 15-Apr-1997
APPLICATION NUMBER: US 60/048,740
FILING DATE: 05-JUN-1997
ATTORNEY/AGENT INFORMATION:
NAME: B.J.Sadoff
REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 620-81
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)816-4091
TELEFAX: (703)816-4100
INFORMATION FOR SEQ ID NO: 331:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 331:
US-10-331-907-331
Query Match 11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 722 CCATCTAGACCTTTTACCTT 741
Db 20 CCATTGGACCTTTTACCTT 1
RESULT 175
US-09-834-700-19/c
; Sequence 19, Application US/09834700
; GENERAL INFORMATION:
; APPLICANT: Braun, A.
; TITLE OF INVENTION: POLYMORPHIC KINASE ANCHOR PROTEINS AND
; FILE OF INVENTION: NUCLEIC ACIDS ENCODING THE SAME
; FILE REFERENCE: 24736-2035
; CURRENT APPLICATION NUMBER: US/09/834,700
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/217,251
; PRIOR FILING DATE: 2000-07-10

; PRIOR APPLICATION NUMBER: 60/240,335
; PRIOR FILING DATE: 2000-10-13
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-09-834-700-19
Query Match 11.1%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 747 TTATTGATAATATGG 761
Db 19 TTGTGATAATATGG 5
RESULT 176
US-09-514-000-7772/c
; Sequence 7772, Application US/09514000
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15490)B
; CURRENT APPLICATION NUMBER: US/09/514,000
; CURRENT FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 15034
; SEQ ID NO 7772
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
US-09-514-000-7772
Query Match 11.1%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 689 GATACTGATTGCTGT 703
Db 18 GATACTGATTGCGGT 4
RESULT 177
US-10-210-838-128/c
; Sequence 128, Application US/10210838
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Sanjay Bhanot
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Susan M. Freiler
; TITLE OF INVENTION: ANTISENSE MODULATION OF LAR EXPRESSION
; FILE REFERENCE: PTS-0013
; CURRENT APPLICATION NUMBER: US/10/210,838
; CURRENT FILING DATE: 2002-07-31
; NUMBER OF SEQ ID NOS: 198
; SEQ ID NO 128
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-210-838-128
Query Match 11.1%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 733 TTTTACCTTGAGGAT 747

```

; NUMBER OF SEQ ID NOS: 5372
; SOFTWARE: Proprietary
; SEQ ID NO 3515
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Lactococcus lactis subsp. lactis IL1403 complete g
; FEATURE:
; LOCATION: (1610364)...(1610381)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 4141
US-10-294-038A-3515
Query Match 10.9%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 655 CAGCTTTGGACAGAGGTT 672
Db 18 CAGCTTTTGAAGAAGGT 1
RESULT 181
US-10-294-038A-3515/C
; Sequence 3515, Application US/10294038A
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Lactococcus lactis subsp. lactis IL1403 complete g
; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/294,038A
; CURRENT FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 5372
; SOFTWARE: Proprietary
; SEQ ID NO 3515
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Lactococcus lactis subsp. lactis IL1403 complete g
; FEATURE:
; LOCATION: (1610364)...(1610381)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 4141
US-10-294-038A-3515
Query Match 10.9%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 655 CAGCTTTGGACAGAGGTT 672
Db 18 CAGCTTTTGAAGAAGGT 1
RESULT 182
US-10-310-188-70756
; Sequence 70756, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 70756
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-70756
Query Match 10.9%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 749 ATGTATATATATGGGTCAA 766

```

```

; NUMBER OF SEQ ID NOS: 5372
; SOFTWARE: Proprietary
; SEQ ID NO 3515
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Lactococcus lactis subsp. lactis IL1403 complete g
; FEATURE:
; LOCATION: (1610364)...(1610381)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectonObjectNumber = 4141
US-10-294-038A-3515
Query Match 10.9%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 655 CAGCTTTGGACAGAGGTT 672
Db 18 CAGCTTTTGAAGAAGGT 1
RESULT 181
US-10-294-038A-3515/C
; Sequence 3515, Application US/10294038A
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Lactococcus lactis subsp. lactis IL1403 complete g
; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/294,038A
; CURRENT FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 5372
; SOFTWARE: Proprietary
; SEQ ID NO 3515
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Lactococcus lactis subsp. lactis IL1403 complete g
; FEATURE:
; LOCATION: (1610364)...(1610381)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectonObjectNumber = 4141
US-10-294-038A-3515
Query Match 10.9%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 655 CAGCTTTGGACAGAGGTT 672
Db 18 CAGCTTTTGAAGAAGGT 1
RESULT 182
US-10-310-188-70756
; Sequence 70756, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 70756
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-70756
Query Match 10.9%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 749 ATGTATATATGGGTCAA 766

```

```

; NUMBER OF SEQ ID NOS: 5372
; SOFTWARE: Proprietary
; SEQ ID NO 3515
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Lactococcus lactis subsp. lactis IL1403 complete g
; FEATURE:
; LOCATION: (1610364)...(1610381)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 4141
US-10-294-038A-3515
Query Match 10.9%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 655 CAGCTTTGGACAGAGGTT 672
Db 18 CAGCTTTTGAAGAAGGT 1
RESULT 181
US-10-294-038A-3515/C
; Sequence 3515, Application US/10294038A
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Lactococcus lactis subsp. lactis IL1403 complete g
; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/294,038A
; CURRENT FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 5372
; SOFTWARE: Proprietary
; SEQ ID NO 3515
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Lactococcus lactis subsp. lactis IL1403 complete g
; FEATURE:
; LOCATION: (1610364)...(1610381)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 4141
US-10-294-038A-3515
Query Match 10.9%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 655 CAGCTTTGGACAGAGGTT 672
Db 18 CAGCTTTTGAAGAAGGT 1
RESULT 182
US-10-310-188-70756
; Sequence 70756, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 70756
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-70756
Query Match 10.9%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 749 ATGTATATATATGGGTCAA 766

```



```

; SEQ ID NO 130
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: based on Homo sapiens
US-10-636-065-130

Query Match      10.9%; Score 13.2; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      694 TGATTGCTGTACCCGAAA 711
Db      1 TGTTCCTGTACCCGAA 18

RESULT 187
PCT-US02-28550-27/c
; Sequence 27, Application PC/TUS0228550
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PKA REGULATORY SUBUNIT RII ALPHA EXPRESSION
; FILE REFERENCE: RISP-0410
; CURRENT APPLICATION NUMBER: PCT/US02/28550
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: 09/954,560
; PRIOR FILING DATE: 2001-09-11
; NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 27
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-28550-27

Query Match      10.9%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      680 GCRCGCGAAGACTGAT 697
Db      18 GAAGAGGAGATACAGAT 1

RESULT 188
US-09-09-228A-2347/c
; Sequence 2347, Application US/09201228A
; GENERAL INFORMATION:
; APPLICANT: Griffiths, Remy
; APPLICANT: Hoiseth, Susan K.
; APPLICANT: Zagursky, Robert John
; APPLICANT: Metcalf, Benjamin J.
; APPLICANT: Peek, Joel A.
; APPLICANT: Sankaran, Banumathi
; APPLICANT: Fletcher, Leah Diane
; TITLE OF INVENTION: CHLAMYDIA TRACHOMATIS GENOMIC SEQUENCE
; TITLE OF INVENTION: AND POLYPEPTIDES, FRAGMENTS THEREOF AND USES THEREOF, IN
; TITLE OF INVENTION: PARTICULAR FOR THE DIAGNOSIS, PREVENTION AND TREATMENT OF
; TITLE OF INVENTION: INFECTION
; FILE REFERENCE: 9710-0004-999
; CURRENT APPLICATION NUMBER: US/09/201,228A
; CURRENT FILING DATE: 1998-11-30
; PRIOR APPLICATION NUMBER: US 60/107,077
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: FR 97-16034
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: FR 97-15041
; PRIOR FILING DATE: 1997-11-28
; NUMBER OF SEQ ID NOS: 5981

```

```
Query Match          10.9%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 684 CGAAGATACGATTCCT 701
    |||||
Db 1 CTGAATATACGATTCCT 18

RESULT 191
US-10-631-467-1653/c
; Sequence 1653, Application US/10631467
; GENERAL INFORMATION:
; APPLICANT: Genex Research Inc.
; TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive P
; TITLE OF INVENTION: disease
; FILE REFERENCE: 3462.1005-000
; CURRENT APPLICATION NUMBER: US/10/631,467
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: JP 2003-077212
; PRIOR FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: JP 2002-229312
; PRIOR FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2086
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1653
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: an artificially synthesized primer sequence
US-10-631-467-1653

Query Match          10.9%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 662 GGACGAGGGTTTACTTT 679
    |||||
Db 18 GGACCGAGGGTTTCTTGT 1

RESULT 192
PCT-US02-25943-9152
; Sequence 9152, Application PC/TUS0225943
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: PCT/US02/25943
; CURRENT FILING DATE: 2002-08-27
; NUMBER OF SEQ ID NOS: 64158
; SOFTWARE: Proprietary
; SEQ ID NO 9152
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
; FEATURE:
; LOCATION: (880803)...(880819)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 9829
PCT-US02-25943-9152

Query Match          10.7%; Score 13; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 714 GCTGTGGGCCATC 726
    |||||
Db 1 GCTGTGGGCCATC 13

RESULT 193
US-10-631-467-1653/c
; Sequence 1653, Application US/10631467
; GENERAL INFORMATION:
; APPLICANT: Genex Research Inc.
; TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive P
; TITLE OF INVENTION: disease
; FILE REFERENCE: 3462.1005-000
; CURRENT APPLICATION NUMBER: US/10/631,467
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: JP 2003-077212
; PRIOR FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: JP 2002-229312
; PRIOR FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2086
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1653
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: an artificially synthesized primer sequence
US-10-631-467-1653

Query Match          10.9%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 662 GGACGAGGGTTTACTTT 679
    |||||
Db 18 GGACCGAGGGTTTCTTGT 1

RESULT 192
PCT-US02-25943-9152
; Sequence 9152, Application PC/TUS0225943
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: PCT/US02/25943
; CURRENT FILING DATE: 2002-08-27
; NUMBER OF SEQ ID NOS: 64158
; SOFTWARE: Proprietary
; SEQ ID NO 9152
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
; FEATURE:
; LOCATION: (880803)...(880819)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 9829
PCT-US02-25943-9152

Query Match          10.7%; Score 13; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 714 GCTGTGGGCCATC 726
    |||||
Db 1 GCTGTGGGCCATC 13

RESULT 193
US-10-631-467-1653/c
; Sequence 1653, Application US/10631467
; GENERAL INFORMATION:
; APPLICANT: Genex Research Inc.
; TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive P
; TITLE OF INVENTION: disease
; FILE REFERENCE: 3462.1005-000
; CURRENT APPLICATION NUMBER: US/10/631,467
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: JP 2003-077212
; PRIOR FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: JP 2002-229312
; PRIOR FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2086
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1653
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: an artificially synthesized primer sequence
US-10-631-467-1653
```

```
PCT-US02-25943-58843
; Sequence 58843, Application PC/TUS0225943
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: PCT/US02/25943
; CURRENT FILING DATE: 2002-08-27
; NUMBER OF SEQ ID NOS: 64158
; SOFTWARE: Proprietary
; SEQ ID NO 58843
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
; FEATURE:
; LOCATION: (5737198)...(5737213)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 63010
PCT-US02-25943-58843

Query Match          10.7%; Score 13; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 714 GCTGTGGGCCATC 726
    |||||
Db 1 GCTGTGGGCCATC 13

RESULT 194
US-10-227-565-9152
; Sequence 9152, Application US/10227565
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/227,565
; CURRENT FILING DATE: 2002-08-26
; NUMBER OF SEQ ID NOS: 64158
; SOFTWARE: Proprietary
; SEQ ID NO 9152
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
; FEATURE:
; LOCATION: (880803)...(880819)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 9829
US-10-227-565-9152

Query Match          10.7%; Score 13; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 714 GCTGTGGGCCATC 726
    |||||
Db 1 GCTGTGGGCCATC 13

RESULT 195
US-10-227-565-58843
; Sequence 58843, Application US/10227565
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/227,565
; CURRENT FILING DATE: 2002-08-26
; NUMBER OF SEQ ID NOS: 64158
; SOFTWARE: Proprietary
; SEQ ID NO 58843
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
; FEATURE:
```

```
; LOCATION: (5737198)...(5737213)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 63010
US-10-227-565-58843

Query Match      10.7%; Score 13; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      714 GCTGTGGGCCATC 726
Db      1 GCTGTGGGCCATC 13

RESULT 196
US-10-367-832A-9152
; GENERAL INFORMATION: Application US/10367832A
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/367,832A
; CURRENT FILING DATE: 2002-08-26
; NUMBER OF SEQ ID NOS: 64158
; SOFTWARE: Proprietary
; SEQ ID NO 9152
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
; FEATURE:
; LOCATION: (880803)...(880819)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 9829
US-10-367-832A-9152

Query Match      10.7%; Score 13; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      714 GCTGTGGGCCATC 726
Db      1 GCTGTGGGCCATC 13

RESULT 197
US-10-367-832A-58843
; GENERAL INFORMATION: Application US/10367832A
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/367,832A
; CURRENT FILING DATE: 2002-08-26
; NUMBER OF SEQ ID NOS: 64158
; SOFTWARE: Proprietary
; SEQ ID NO 58843
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
; FEATURE:
; LOCATION: (5737198)...(5737213)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 63010
US-10-367-832A-58843

Query Match      10.7%; Score 13; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      714 GCTGTGGGCCATC 726
Db      1 GCTGTGGGCCATC 13

RESULT 198
US-10-310-188-13054
```

```
; Sequence 13054, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 13054
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-13054

Query Match      10.7%; Score 13; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      745 GATTATTGATAAT 757
Db      5 GATTATTGATAAT 17

RESULT 199
US-10-310-188-64897
; GENERAL INFORMATION: Application US/10310188
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 64897
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-64897

Query Match      10.7%; Score 13; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      714 GCTGTGGGCCATC 726
Db      2 GCTGTGGGCCATC 14

RESULT 200
US-09-514-000-12493
; GENERAL INFORMATION: Application US/09514000
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15490)B
; CURRENT APPLICATION NUMBER: US/09/514,000
; CURRENT FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 15034
; SEQ ID NO 12493
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Agrobacterium tumefaciens
US-09-514-000-12493

Query Match      10.7%; Score 13; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 738 CCTTCAGGATTAT 750
|||||
Db 6 CCTTCAGGATTAT 18

RESULT 201

US-09-922-181A-3203
; Sequence 3203, Application US/09922181A
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; APPLICANT: Nguyen, Cung-Tuong
; TITLE OF INVENTION: FOUR HUMAN ZINC-FINGER-CONTAINING PROTEINS: MDZ3, MDZ4, MDZ7 AND
; FILE REFERENCE: A60MICA-12
; CURRENT APPLICATION NUMBER: US/09/922,181A
; CURRENT FILING DATE: 2001-12-12
; NUMBER OF SEQ ID NOS: 7046
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 3203
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-181A-3203

Query Match 10.6%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 709 AAATTCTGTGGCCCA 724
|||||
Db 2 ACATTCTGTGGCCCA 17

RESULT 202

US-09-922-181A-3204
; Sequence 3204, Application US/09922181A
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; APPLICANT: Nguyen, Cung-Tuong
; TITLE OF INVENTION: FOUR HUMAN ZINC-FINGER-CONTAINING PROTEINS: MDZ3, MDZ4, MDZ7 AND
; FILE REFERENCE: A60MICA-12
; CURRENT APPLICATION NUMBER: US/09/922,181A
; CURRENT FILING DATE: 2001-12-12
; NUMBER OF SEQ ID NOS: 7046
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 3204
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-181A-3204

Query Match 10.6%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 709 AAATTCTGTGGCCCA 724
|||||
Db 1 ACATTCTGTGGCCCA 16

RESULT 203

US-10-017-974-478
; Sequence 478, Application US/10017974
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid-Based Treatment of Diseases or Conditions Related to
; FILE REFERENCE: MEHB00,1109-A (400/037)
; CURRENT APPLICATION NUMBER: US/10/017,974
; CURRENT FILING DATE: 2001-12-10

; NUMBER OF SEQ ID NOS: 37080
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 478
; LENGTH: 17
; TYPE: RNA
; ORGANISM: West Nile virus
US-10-017-974-478

Query Match 10.6%; Score 12.8; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 8; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

QY 590 ATACTGATTGCTGTAC 705
|||||
Db 1 AUACUGAUGCUCUGC 16

RESULT 204

US-10-017-974-11364/C
; Sequence 11364, Application US/10017974
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid-Based Treatment of Diseases or Conditions Related to
; FILE REFERENCE: MEHB00,1109-A (400/037)
; CURRENT APPLICATION NUMBER: US/10/017,974
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 37080
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11364
; LENGTH: 17
; TYPE: RNA
; ORGANISM: West Nile virus
US-10-017-974-11364

Query Match 10.6%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 590 ATACTGATTGCTGTAC 705
|||||
Db 17 ATACTGATTGCTGTGC 2

RESULT 205

US-10-017-974-13984/C
; Sequence 13984, Application US/10017974
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid-Based Treatment of Diseases or Conditions Related to
; FILE REFERENCE: MEHB00,1109-A (400/037)
; CURRENT APPLICATION NUMBER: US/10/017,974
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 37080
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13984
; LENGTH: 17
; TYPE: RNA
; ORGANISM: West Nile virus
US-10-017-974-13984

Query Match 10.6%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 590 ATACTGATTGCTGTAC 705
|||||
Db 16 ATACTGATTGCTGTGC 1


```
; SEQ ID NO 10289
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-10289

Query Match          10.6%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 675 ACTTTCAGCGGAAGA 690
    ||||| |||||
Db 2 ACTTTGAACGGAAGA 17

RESULT 209
US-10-723-361-10290
; Sequence 10290, Application US/10723361
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JT, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: P0105
; CURRENT APPLICATION NUMBER: US/10723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 10290
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-10290

Query Match          10.6%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 675 ACTTTCAGCGGAAGA 690
    ||||| |||||
Db 1 ACTTTGAACGGAAGA 16

RESULT 210
PCT-US99-13205-9/c
; Sequence 9, Application PC/TUS9913205
; GENERAL INFORMATION:
; APPLICANT: Brenda F. Baker
```

```
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SENTRIN EXPRESSION
; FILE REFERENCE: ISPH-0384
; CURRENT APPLICATION NUMBER: PCT/US99/13205
; CURRENT FILING DATE: 1999-06-10
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 9
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
PCT-US99-13205-9

Query Match          10.6%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 680 GCAGCGGAAGATACTG 695
    ||||| |||||
Db 17 GTAGCGGAAGTTACTG 2

RESULT 211
US-09-363-632-19
; Sequence 19, Application US/09363632
; GENERAL INFORMATION:
; APPLICANT: Taneja, Krishan L.
; TITLE OF INVENTION: Non-Nucleic Acid Probes, Probe Sets, Methods and Kits
; TITLE OF INVENTION: Pertaining To The Detection Of Human Chromosomes X, Y,
; TITLE OF INVENTION: 1, 2, 6, 10, 16, 17 and 19
; FILE REFERENCE: BP9806US
; CURRENT APPLICATION NUMBER: US/09/363,632
; CURRENT FILING DATE: 1999-07-29
; EARLIER APPLICATION NUMBER: 60/094,874
; EARLIER FILING DATE: 1998-07-31
; EARLIER APPLICATION NUMBER: 60/109,313
; EARLIER FILING DATE: 1998-11-20
; EARLIER APPLICATION NUMBER: 60/120,827
; EARLIER FILING DATE: 1999-02-19
; EARLIER APPLICATION NUMBER: 60/137,636
; EARLIER FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 19
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Combined DNA/RNA Molecule: Synthetic
; OTHER INFORMATION: Molecule; Nucleobase Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Probing
; OTHER INFORMATION: Nucleobase Sequence
US-09-363-632-19

Query Match          10.6%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 677 TTTCAGCGGAAGATA 692
    ||||| |||||
Db 2 TTTCAGCGGAAGATA 17

RESULT 212
US-09-520-760-19
; Sequence 19, Application US/09520760
; GENERAL INFORMATION:
; APPLICANT: Taneja, Krishan L.
; TITLE OF INVENTION: Non-Nucleic Acid Probes, Probe Sets, Methods And Kits
; TITLE OF INVENTION: Pertaining To The Detection Of Individual Human
; TITLE OF INVENTION: Chromosomes X, Y, 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12,
```

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; TITLE OF INVENTION: 16, 17 And 18
; FILE REFERENCE: BP9806US-CP1
; CURRENT APPLICATION NUMBER: US/09/520,760
; CURRENT FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: 60/094,874
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: 60/109,313
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/120,827
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 60/137,636
; PRIOR FILING DATE: 1999-06-04
; PRIOR APPLICATION NUMBER: 09/363,632
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; TYPE: DNA
; LENGTH: 18
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Combined DNA/RNA Molecule:Probing
; OTHER INFORMATION: Nucleobase Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Probing
; OTHER INFORMATION: Nucleobase Sequence Of Non-nucleic Acid Probe
US-09-520-760-19
Query Match          10.6%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY      677 TTTCGACGGGAGATA 692
Db      2 TTTCAGGGGAGATA 17

```

```

RESULT 213
US-09-627-796-19
; Sequence 19, Application US/09627796
; GENERAL INFORMATION:
; APPLICANT: Taneja, Krishan L.
; TITLE OF INVENTION: Non-Nucleic Acid Probes, Probe Sets, Methods And Kits
; TITLE OF INVENTION: Pertaining To The Detection Of Individual Human
; TITLE OF INVENTION: Chromosomes X, Y, 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12,
; TITLE OF INVENTION: 16, 17, 18 And 20 As Well As 13/21 As A Pair
; FILE REFERENCE: BP9806US-CP2
; CURRENT APPLICATION NUMBER: US/09/627,796
; CURRENT FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 60/094,874
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: 60/109,313
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/120,827
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 60/137,636
; PRIOR FILING DATE: 1999-06-04
; PRIOR APPLICATION NUMBER: 09/520,760
; PRIOR FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: 09/363,632
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; TYPE: DNA
; LENGTH: 18
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Combined DNA/RNA Molecule:Probing
; OTHER INFORMATION: Nucleobase Sequence
; OTHER INFORMATION: Description of Artificial Sequence:Probing
; OTHER INFORMATION: Nucleobase Sequence Of Non-nucleic Acid Probe
US-09-627-796-19

```

```

Query Match          10.6%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY      677 TTTCGACGGGAGATA 692
Db      2 TTTCAGGGGAGATA 17

RESULT 214
US-09-627-796A-19
; Sequence 19, Application US/09627796A
; GENERAL INFORMATION:
; APPLICANT: Taneja, Krishan L.
; TITLE OF INVENTION: Non-Nucleic Acid Probes, Probe Sets, Methods And Kits
; TITLE OF INVENTION: Pertaining To The Detection Of Individual Human
; TITLE OF INVENTION: Chromosomes X, Y, 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12,
; TITLE OF INVENTION: 16, 17, 18 And 20 As Well As 13/21 As A Pair
; FILE REFERENCE: BP9806US-CP2
; CURRENT APPLICATION NUMBER: US/09/627,796A
; CURRENT FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 60/094,874
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: 60/109,313
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/120,827
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 60/137,636
; PRIOR FILING DATE: 1999-06-04
; PRIOR APPLICATION NUMBER: 09/520,760
; PRIOR FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: 09/363,632
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; TYPE: DNA
; LENGTH: 18
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Combined DNA/RNA Molecule:Probing
; OTHER INFORMATION: Nucleobase Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Probing
; OTHER INFORMATION: Nucleobase Sequence Of Non-nucleic Acid Probe
US-09-627-796A-19

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Query Match          10.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY      677 TTTCGACGGGAGATA 692
Db      2 TTTCAGGGGAGATA 17

RESULT 215
US-09-868-534-9/c
; Sequence 9, Application US/09868534
; GENERAL INFORMATION:
; APPLICANT: Brenda F. Baker
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SENTRIN EXPRESSION
; FILE REFERENCE: RTSP-0128
; CURRENT APPLICATION NUMBER: US/09/868,534
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 9
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

```


OTHER INFORMATION: Synthetic
US-09-868-534-9

Query Match 10.6%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 680 GCAGCGGAAGACTG 695
DB 17 GTAGCGGAAGTACTG 2

RESULT 216

US-10-310-188-68732

Sequence 68732, Application US/10310188

GENERAL INFORMATION:

APPLICANT: RosettaGenomics

TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE

TITLE OF INVENTION: USES THEREOF

FILE REFERENCE: 47487

CURRENT APPLICATION NUMBER: US/10/310,188

CURRENT FILING DATE: 2002-12-19

NUMBER OF SEQ ID NOS: 86841

SOFTWARE: PatentIn version 3.1

SEQ ID NO 68732

LENGTH: 18

TYPE: DNA

ORGANISM: Homo sapiens

US-10-310-188-68732

Query Match 10.6%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 1.4e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 666 AGAGGGTTTACTTGC 681

DB 1 AGAGGGTTTACTTTC 16

RESULT 217

US-10-310-188-73699/c

Sequence 73699, Application US/10310188

GENERAL INFORMATION:

APPLICANT: RosettaGenomics

TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE

TITLE OF INVENTION: USES THEREOF

FILE REFERENCE: 47487

CURRENT APPLICATION NUMBER: US/10/310,188

CURRENT FILING DATE: 2002-12-19

NUMBER OF SEQ ID NOS: 86841

SOFTWARE: PatentIn version 3.1

SEQ ID NO 73699

LENGTH: 18

TYPE: DNA

ORGANISM: Homo sapiens

US-10-310-188-73699

Query Match 10.6%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 1.4e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 689 GATAGTCTGCTGTA 704

DB 17 GATAATGATGCTGTA 2

RESULT 218

US-10-310-188-81729/c

Sequence 81729, Application US/10310188

GENERAL INFORMATION:

APPLICANT: RosettaGenomics

TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE

TITLE OF INVENTION: USES THEREOF

FILE REFERENCE: 47487

CURRENT APPLICATION NUMBER: US/10/310,188

CURRENT FILING DATE: 2002-12-19

NUMBER OF SEQ ID NOS: 86841

SOFTWARE: PatentIn version 3.1

SEQ ID NO 81729

LENGTH: 18

TYPE: DNA

ORGANISM: Homo sapiens

FILE REFERENCE: 47487

CURRENT APPLICATION NUMBER: US/10/310,188

CURRENT FILING DATE: 2002-12-19

NUMBER OF SEQ ID NOS: 86841

SOFTWARE: PatentIn version 3.1

SEQ ID NO 81729

LENGTH: 18

TYPE: DNA

ORGANISM: Homo sapiens

US-10-310-188-81729

Query Match 10.6%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 1.4e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 723 CATCTAGACCTTTTAC 738

DB 17 CATCTAGAGCTTCTAC 2

RESULT 219

US-10-349-143-11752

Sequence 11752, Application US/10349143

GENERAL INFORMATION:

APPLICANT: Cohen, Daniel

APPLICANT: Blumenfeld, Marta

APPLICANT: Chumakov, Ilyalya

TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

FILE REFERENCE: GENSET.020CPI

CURRENT APPLICATION NUMBER: US/10/349,143

CURRENT FILING DATE: 2003-01-21

PRIOR APPLICATION NUMBER: US/09/422,978

PRIOR FILING DATE: 1999-10-20

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850

PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732

PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21

NUMBER OF SEQ ID NOS: 11796

SEQ ID NO 11752

LENGTH: 18

TYPE: DNA

ORGANISM: Homo Sapiens

FEATURE:

NAME/KEY: primer_bind

LOCATION: 1..18

OTHER INFORMATION: downstream amplification primer 99-5075 for SEQ 3887, in complemer

US-10-349-143-11752

Query Match 10.6%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 1.4e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 687 AAGATACTGATGCTG 702

DB 1 AAGATACTGATGCTG 16

RESULT 220

PCT-US03-04402-137

Sequence 137, Application PC/TUS0304402

GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.

APPLICANT: McSwiggen, James

APPLICANT: Beigelman, Leonid

APPLICANT: Haeblerli, Peter

APPLICANT: Usman, Nassim

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Polycarb Group Protein

TITLE OF INVENTION: EZH2 Gene Expression Using Short Interfering Nucleic Acid (siNA)

FILE REFERENCE: 400/093 (MBH 03-074)

CURRENT APPLICATION NUMBER: PCT/US03/04402

CURRENT FILING DATE: 2003-02-13

PCT-US03-04402-285/c
Query Match 10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 715 CTGTGGGCATCTAGA 730
|||||
Db 18 CTGTGGGCATCTAGA 3
|||||
RESULT 222
US-09-453-607A-1373/c
; Sequence 1373, Application US/09453607A
; GENERAL INFORMATION:
; APPLICANT: Immusol, Inc. et al.
; TITLE OF INVENTION: RIBOZYME THERAPY FOR THE TREATMENT AND/OR PREVENTION OF RESTENOSIS
; FILE REFERENCE: 480124.406
; CURRENT APPLICATION NUMBER: US/09/453,607A
; CURRENT FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 4388
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1373
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Cdk-we-hu ribozyme binding site
US-09-453-607A-1373

Query Match 10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 62.5%; Pred. No. 1.5e+02;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 715 CTGTGGGCATCTAGA 730
|||||
Db 2 CUGUGGCAAUUAGA 17
|||||

RESULT 221
PCT-US03-04402-285/c
; Sequence 285, Application PC/TUS0304402
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggan, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Haerberli, Peter
; APPLICANT: Usman, Nassim
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Polycomb Group Protein
; TITLE OF INVENTION: EZH2 Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/093 (MEHB 03-074)
; CURRENT APPLICATION NUMBER: PCT/US03/04402
; CURRENT FILING DATE: 2003-02-13
; PRIOR APPLICATION NUMBER: US 60/427,467
; PRIOR FILING DATE: 2002-11-19
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: US 60/409,293
; PRIOR FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: US 60/440,129
; NUMBER OF SEQ ID NOS: 346
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 285
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
PCT-US03-04402-137

PCT-US03-04402-285

Query Match 10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 715 CTGTGGGCATCTAGA 730
|||||
Db 18 CTGTGGGCATCTAGA 3
|||||

RESULT 222
US-09-453-607A-1373/c
; Sequence 1373, Application US/09453607A
; GENERAL INFORMATION:
; APPLICANT: Immusol, Inc. et al.
; TITLE OF INVENTION: RIBOZYME THERAPY FOR THE TREATMENT AND/OR PREVENTION OF RESTENOSIS
; FILE REFERENCE: 480124.406
; CURRENT APPLICATION NUMBER: US/09/453,607A
; CURRENT FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 4388
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1373
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Cdk-we-hu ribozyme binding site
US-09-453-607A-1373

Query Match 10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 690 ATACTGATTGCTGTAC 705
|||||
Db 16 ATACTGATTGCTTTAC 1
|||||

RESULT 223
US-09-453-607C-1373/c
; Sequence 1373, Application US/09453607C
; GENERAL INFORMATION:
; APPLICANT: Immusol, Inc. et al.
; TITLE OF INVENTION: RIBOZYME THERAPY FOR THE TREATMENT AND/OR PREVENTION OF RESTENOSIS
; TITLE OF INVENTION: RESTENOSIS
; FILE REFERENCE: 480124.406
; CURRENT APPLICATION NUMBER: US/09/453,607C
; CURRENT FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 4389
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1373
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Cdk-we-hu ribozyme binding site
US-09-453-607C-1373

Query Match 10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 690 ATACTGATTGCTGTAC 705
|||||
Db 16 ATACTGATTGCTTTAC 1
|||||

RESULT 224
US-09-696-791-1373/c
; Sequence 1373, Application US/09696791
; GENERAL INFORMATION:
; APPLICANT: Robbins, Joan M.

APPLICANT: Tritz, Richard
TITLE OF INVENTION: RIBOZYME THERAPY FOR THE TREATMENT OF PROLIFERATIVE
DISEASES
FILE REFERENCE: 480124.407
CURRENT APPLICATION NUMBER: US/09/696,791
CURRENT FILING DATE: 2000-10-25
NUMBER OF SEQ ID NOS: 4523
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1373
LENGTH: 19
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Cdk-we-hu ribozyme binding site
US-09-696-791-1373

Query Match 10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 690 ATACTGATGCTCTAC 705
DB 16 ATACTGATGCTCTAC 1

RESULT 225
US-10-224-005-40
Sequence 40, Application US/10224005
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Fossnaugh, Kathy
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Adenosine A1 Receptor (A1
RECEPTOR)
FILE REFERENCE: 900/041 (MHB01-1110-A)
CURRENT APPLICATION NUMBER: US/10/224,005
CURRENT FILING DATE: 2002-08-20
PRIOR APPLICATION NUMBER: US 60/315,315
PRIOR FILING DATE: 2001-08-28
NUMBER OF SEQ ID NOS: 347
SOFTWARE: PatentIn version 3.0
SEQ ID NO 40
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense

Query Match 10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 62.5%; Pred. No. 1.5e+02;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 708 GAAATTGCTGTGGGCC 723
DB 4 GCAUUGCUGGAGCC 19

RESULT 226
US-10-224-005-201/c
Sequence 201, Application US/10224005
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Fossnaugh, Kathy
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Adenosine A1 Receptor (A1
RECEPTOR)
FILE REFERENCE: 900/041 (MHB01-1110-A)
CURRENT APPLICATION NUMBER: US/10/224,005
CURRENT FILING DATE: 2002-08-20
PRIOR APPLICATION NUMBER: US 60/315,315
PRIOR FILING DATE: 2001-08-28
NUMBER OF SEQ ID NOS: 347

SOFTWARE: PatentIn version 3.0
SEQ ID NO 201
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-224-005-201

Query Match 10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 708 GAAATTGCTGTGGGCC 723
DB 16 GCAATTGCTGTGGACC 1

RESULT 227
US-10-310-188-36316/c
Sequence 36316, Application US/10310188
GENERAL INFORMATION:
APPLICANT: RosettaGenomics
TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
FILE REFERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: PatentIn version 3.1
SEQ ID NO 36316
LENGTH: 19
TYPE: DNA
ORGANISM: Homo sapiens
US-10-310-188-36316

Query Match 10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 657 GCTTTGGACAGAGGT 672
DB 16 GCTATGGACAGAGGT 1

RESULT 228
US-10-450-366-9
Sequence 9, Application US/10450366
GENERAL INFORMATION:
APPLICANT: Tschoep, Joerg
APPLICANT: Hoffmann, Kay
TITLE OF INVENTION: DNA Sequences, Which Code For An Apoptosis Signal Transduction Pro
tein
FILE REFERENCE: 114363
CURRENT APPLICATION NUMBER: US/10/450,366
CURRENT FILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: PCT/EP01/14597
PRIOR FILING DATE: 2001-12-12
PRIOR APPLICATION NUMBER: DE 100 61 766.2
PRIOR FILING DATE: 2000-12-12
PRIOR APPLICATION NUMBER: DE 101 00 280.7
PRIOR FILING DATE: 2001-01-04
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn version 3.1
SEQ ID NO 9
LENGTH: 19
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: primer
US-10-450-366-9

Query Match 10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;

```
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 736 TACCTTGAGGATTATT 751
||||| ||||| |||||
Db 3 TACCTCGAGGACTATT 18

RESULT 229
US-10-450-366-12/c
; Sequence 12, Application US/10450366
; GENERAL INFORMATION:
; APPLICANT: Tschopp, Jorg
; APPLICANT: Hoffmann, Kay
; TITLE OF INVENTION: DNA-Sequences, Which Code For An Apoptosis Signal Transduction Ph
; FILE REFERENCE: 11436*3
; CURRENT APPLICATION NUMBER: US/10/450.366
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: PCT/EP01/14597
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: DE 100 61 766.2
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: DE 101 00 280.7
; PRIOR FILING DATE: 2001-01-04
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: primer
US-10-450-366-12

Query Match 10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 736 TACCTTGAGGATTATT 751
||||| ||||| |||||
Db 17 TACCTCGAGGACTATT 2

RESULT 230
US-07-853-396A-11/c
; Sequence 11, Application US/07853396A
; GENERAL INFORMATION:
; APPLICANT: Donahoe, Patricia K.
; APPLICANT: Gustafson, Michael
; APPLICANT: He, Wei W.
; TITLE OF INVENTION: MULLERIAN INHIBITING SUBSTANCE
; TITLE OF INVENTION: RECEPTOR
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 50Z or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/853,396A
; FILING DATE: 19920318
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Clark, Paul T.
```

```
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 00786/127001
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 18
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
US-07-853-396A-11

Query Match 10.4%; Score 12.6; DB 1; Length 18;
Best Local Similarity 70.6%; Pred. No. 1.5e+02;
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 756 ATATGGTCAAGAAGTC 772
||||| :|||
Db 17 ATATGCYCAGATGC 1

RESULT 231
PCT-US03-02510-855
; Sequence 855, Application PC/TUS0302510
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Usman, Nassim
; APPLICANT: Haerberli, Peter
; APPLICANT: Chowrira, Bharat
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of MAP Kinase Gene Expression
; TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/078 (MEH03-040)
; CURRENT APPLICATION NUMBER: PCT/US03/02510
; CURRENT FILING DATE: 2003-04-11
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: US 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: US 60/409,293
; PRIOR FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: US 60/440,129
; PRIOR FILING DATE: 2003-01-15
; NUMBER OF SEQ ID NOS: 1246
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 855
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense r
PCT-US03-02510-855

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 57.9%; Pred. No. 1.6e+02;
Matches 11; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 666 AGAGGGTTTACTTTGCAGC 684
||||| :|||
Db 1 AAAGGGUCUCUUGGCAGC 19

RESULT 232
PCT-US03-02510-1064/c
```

```
Sequence 1064, Application PC/TUS0302510
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
APPLICANT: Usman, Nassim
APPLICANT: Haerberli, Peter
APPLICANT: Chowrira, Bharat
TITLE OF INVENTION: RNA Interference Mediated Inhibition of MAP Kinase Gene Expression
FILE REFERENCE: 400/078 (MHB03-040)
CURRENT APPLICATION NUMBER: PCT/US03/02510
CURRENT FILING DATE: 2003-04-11
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 1246
SOFTWARE: Patent in version 3.0
SEQ ID NO 1064
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
PCT-US03-02510-1064

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 666 AGAGGGTTTACTTGGCAGC 684
DB 19 AAAGGGTCTTCTGGCAGC 1

RESULT 233
US-09-453-607A-2879/c
Sequence 2879, Application US/09453607A
GENERAL INFORMATION:
APPLICANT: Immusol, Inc. et al.
TITLE OF INVENTION: RIBOZYME THERAPY FOR THE TREATMENT AND/OR PREVENTION OF RESTENOSIS
FILE REFERENCE: 480124.406
CURRENT APPLICATION NUMBER: US/09/453,607A
CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 4388
SOFTWARE: Patent in ver. 2.0
SEQ ID NO 2879
LENGTH: 19
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Cyclin H ribozyme binding site
US-09-453-607A-2879

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 743 AGGATTATTGATAATATGG 761
DB 19 AGGATTGTGGACAATAAGG 1
```

```
RESULT 234
US-09-453-607C-2879/c
Sequence 2879, Application US/09453607C
GENERAL INFORMATION:
APPLICANT: Immusol, Inc. et al.
TITLE OF INVENTION: RIBOZYME THERAPY FOR THE TREATMENT AND/OR PREVENTION OF RESTENOSIS
FILE REFERENCE: 480124.406
CURRENT APPLICATION NUMBER: US/09/453,607C
CURRENT FILING DATE: 1999-12-07
NUMBER OF SEQ ID NOS: 4389
SOFTWARE: Patent in Ver. 2.0
SEQ ID NO 2879
LENGTH: 19
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Cyclin H ribozyme binding site
US-09-453-607C-2879

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 743 AGGATTATTGATAATATGG 761
DB 19 AGGATTGTGGACAATAAGG 1

RESULT 235
US-09-509-595B-21/c
Sequence 21, Application US/09509595B
GENERAL INFORMATION:
APPLICANT: MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V.
APPLICANT: NATIONAL PUBLIC HEALTH INSTITUTE
APPLICANT: PELTONEN, Leena
APPLICANT: AALTONEN, Johanna
APPLICANT: BJORKSES, Petra
APPLICANT: PERHEENTUPA, Jaakko
APPLICANT: PALOTIE, Aarno
APPLICANT: HORELLI-KUITUNEN, Nina
APPLICANT: YASFO, Marie-Laure
APPLICANT: LEHRACH, Hans
TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING A (POLY)PEPTIDE CO-SEGREGATING IN A
TITLE OF INVENTION: FORM WITH AUTOIMMUNE POLYENDOCRINOPATHY CANDIDIASIS ECTODERMAL D;
FILE REFERENCE: VOSS1130
CURRENT APPLICATION NUMBER: US/09/509,595B
CURRENT FILING DATE: 2000-07-05
PRIOR APPLICATION NUMBER: EP 97117154.1
PRIOR FILING DATE: 1997-10-02
PRIOR APPLICATION NUMBER: EP 97117398.4
PRIOR FILING DATE: 1997-10-08
PRIOR APPLICATION NUMBER: EP 97119810.6
PRIOR FILING DATE: 1997-11-12
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patent in version 3.1
SEQ ID NO 21
LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: B127PR4-29 primer for PCR
US-09-509-595B-21

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 714 GCTGTGGCCCATCTAGACC 732
DB 19 GCAGTAGGCCCATCCAGAC 1
```

```
RESULT 236
US-09-696-791-2879/c
; Sequence 2879, Application US/09696791
; GENERAL INFORMATION:
; APPLICANT: Robbins, Joan M.
; APPLICANT: Triitz, Richard
; TITLE OF INVENTION: RIBOZYME THERAPY FOR THE TREATMENT OF PROLIFERATIVE
; TITLE OF INVENTION: SKIN AND EYE DISEASES
; FILE REFERENCE: 480124.407
; CURRENT APPLICATION NUMBER: US/09/696,791
; CURRENT FILING DATE: 2000-10-25
; NUMBER OF SEQ ID NOS: 4523
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2879
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Cyclin H ribozyme binding site
US-09-696-791-2879

Query Match      10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 743 AGGATTATTGATAATATGCTG 761
    |||||
Db 19 AGGATTGTGGACATAAGG 1

RESULT 237
US-10-206-693-470
; Sequence 470, Application US/10206693
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Nogo and Nogo Receptor Ge
; TITLE OF INVENTION: Expression using Short Interfering RNA
; FILE REFERENCE: 900/034 (MBHB02-732)
; CURRENT APPLICATION NUMBER: US/10/206,693
; CURRENT FILING DATE: 2002-07-26
; NUMBER OF SEQ ID NOS: 674
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 470
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense r
US-10-206-693-470

Query Match      10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 63.2%; Pred. No. 1.6e+02;
Matches 12; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 699 GCTGTACCCGAAATTCGCTG 717
    |||||
Db 1 GCUGCACUCGAUGUGCUG 19

RESULT 238
US-10-206-693-569/c
; Sequence 569, Application US/10206693
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Nogo and Nogo Receptor Ge
; TITLE OF INVENTION: Expression using Short Interfering RNA
; FILE REFERENCE: 900/034 (MBHB02-732)
; CURRENT APPLICATION NUMBER: US/10/206,693
; CURRENT FILING DATE: 2002-07-26
```

```
; NUMBER OF SEQ ID NOS: 674
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 569
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-206-693-569

Query Match      10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 699 GCTGTACCCGAAATTCGCTG 717
    |||||
Db 19 GCUGCACUCGAATGCTG 1

RESULT 239
US-10-206-693A-470
; Sequence 470, Application US/10206693A
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Nogo and Nogo Receptor Ger
; TITLE OF INVENTION: Expression using Short Interfering RNA
; FILE REFERENCE: 900/034 (MBHB02-732)
; CURRENT APPLICATION NUMBER: US/10/206,693A
; CURRENT FILING DATE: 2002-07-26
; NUMBER OF SEQ ID NOS: 674
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 470
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense r
US-10-206-693A-470

Query Match      10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 63.2%; Pred. No. 1.6e+02;
Matches 12; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 699 GCTGTACCCGAAATTCGCTG 717
    |||||
Db 1 GCUGCACUCGAUGUGCUG 19

RESULT 240
US-10-206-693A-569/c
; Sequence 569, Application US/10206693A
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Nogo and Nogo Receptor Ger
; TITLE OF INVENTION: Expression using Short Interfering RNA
; FILE REFERENCE: 900/034 (MBHB02-732)
; CURRENT APPLICATION NUMBER: US/10/206,693A
; CURRENT FILING DATE: 2002-07-26
; NUMBER OF SEQ ID NOS: 674
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 569
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-206-693A-569

Query Match      10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

QY 699 GCTGTACCGAATTGCTG 717
Db 19 GCTGCACCTGATGTGCTG 1

RESULT 241

US-10-293-338-3311
; Sequence 3311, Application US/10293338
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY GENES AND
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 45282
; CURRENT APPLICATION NUMBER: US/10/293,338
; CURRENT FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 8785
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 3311
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-293-338-3311

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 728 AGACCTTTACCTTGAGGA 746
Db 1 AGACATTTCCACTGAGGA 19

RESULT 242

US-10-310-188-27677
; Sequence 27677, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 27677
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-27677

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 706 CCGAAATGCTGGGGCCA 724
Db 1 CAGAGTTGCAGTGAGCCA 19

RESULT 243

US-10-310-188-51517
; Sequence 51517, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 51517

; LENGTH: 19
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-51517

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 713 TGCTGTGGCCATCTAGAC 731
Db 1 TGCTGTGGGGCGCACTGGAC 19

RESULT 244

US-10-321-853-1247
; Sequence 1247, Application US/10321853
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Streptococcus pneumoniae R6 complete genome.
; FILE REFERENCE: Jim Zeiger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/321,853
; CURRENT FILING DATE: 2002-12-18
; NUMBER OF SEQ ID NOS: 2693
; SOFTWARE: Proprietary
; SEQ ID NO 1247
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae R6 complete genome.
; FEATURE:
; LOCATION: (886719)...(886737)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 1571
US-10-321-853-1247

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 731 CCTTTACTTGAGATTGA 749
Db 1 CCTTTACTTGCGTTTGA 19

RESULT 245

US-10-424-339-855
; Sequence 855, Application US/10424339
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Usman, Nassim
; APPLICANT: Haeblerli, Peter
; APPLICANT: Chowli, Bharat
; APPLICANT: Polisky, Barry
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of MAP Kinase Gene
; TITLE OF INVENTION: Expression or Expression of Genes Involved in MAP Kinase Pathway
; FILE REFERENCE: 400/113 (MBHB03-388)
; CURRENT APPLICATION NUMBER: US/10/424,339
; CURRENT FILING DATE: 2003-04-25
; PRIOR APPLICATION NUMBER: PCT/US 03/02510
; PRIOR FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: PCT/US 03/05346
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US 03/05028
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/406,784

; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: US 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: US 60/409,293
; PRIOR FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: US 60/440,129
; PRIOR FILING DATE: 2003-01-15
; NUMBER OF SEQ ID NOS: 1714
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 855
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
US-10-424-339-855

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 57.9%; Pred. No. 1.6e+02;
Matches 11; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 666 AGAGGGTTCATTTCGAGC 684
DB 1 AAAGGGUCUCUGGAGC 19

RESULT 246
US-10-424-339-1064/c
; Sequence 1064, Application US/10424339
; GENERAL INFORMATION:
; APPLICANT: Sina Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Usman, Nassim
; APPLICANT: Haeblerli, Peter
; APPLICANT: Chowirra, Bharat
; APPLICANT: Polisky, Barry
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of MAP Kinase Gene
; TITLE OF INVENTION: Expression or Expression of Genes Involved in MAP Kinase Pathway
; TITLE OF INVENTION: Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/113 (MEH803-388)
; CURRENT APPLICATION NUMBER: US/10/424,339
; PRIOR FILING DATE: 2003-04-25
; PRIOR APPLICATION NUMBER: PCT/US 03/02510
; PRIOR FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: PCT/US 03/05346
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US 03/05028
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: US 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: US 60/409,293
; PRIOR FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: US 60/440,129
; NUMBER OF SEQ ID NOS: 1714
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1064
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-424-339-1064

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 666 AGAGGGTTCATTTCGAGC 684
DB 1 AAAGGGTTCATTTCGAGC 1

RESULT 247
US-10-437-733-12
; Sequence 12, Application US/10437733
; GENERAL INFORMATION:
; APPLICANT: GIUDICE, LINDA C.
; APPLICANT: KAO, LEE C.
; TITLE OF INVENTION: ENOMETRIAL GENES IN ENDOMETRIAL DISORDERS
; FILE REFERENCE: STAN-266
; CURRENT APPLICATION NUMBER: US/10/437,733
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: 60/380,689
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: primer
US-10-437-733-12

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 666 AGAGGGTTCATTTCGAGC 684
DB 1 AGAAGGTGTTTGAGC 19

RESULT 248
US-10-480-276-15
; Sequence 15, Application US/10480276
; GENERAL INFORMATION:
; APPLICANT: I.N.S.E.R.M.
; TITLE OF INVENTION: CYP450-specific DNA probes and primers, and biological application: thereof
; FILE REFERENCE: bct010072
; CURRENT APPLICATION NUMBER: US/10/480,276
; CURRENT FILING DATE: 2003-12-11
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-480-276-15

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 687 AGATAGTACTGCTGTAC 705
DB 1 AGACCCCTATTGCTGTC 19

RESULT 249
PCT-US02-25941-297
; Sequence 297, Application PC/TUS0225941
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.

;; TITLE OF INVENTION: Streptococcus pneumoniae complete genome.
;; FILE REFERENCE: Jim Zeger Law Offices - 703-684-8333
;; CURRENT APPLICATION NUMBER: PCT/US02/25941
;; CURRENT FILING DATE: 2002-08-27
;; NUMBER OF SEQ ID NOS: 3245
;; SOFTWARE: Proprietary
;; SEQ ID NO 297
;; LENGTH: 15
;; TYPE: DNA
;; ORGANISM: Streptococcus pneumoniae complete genome.
;; FEATURE:
;; LOCATION: (273627)...(273641)
;; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 390
PCT-US02-25941-297

Query Match 10.2%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATGGGT 763
|||
Db 2 TTGATAATATGGGT 15

RESULT 250
PCT-US02-25941-1794
;; Sequence 1794, Application PC/TUS0225941
;; GENERAL INFORMATION:
;; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;; TITLE OF INVENTION: Streptococcus pneumoniae complete genome.
;; FILE REFERENCE: Jim Zeger Law Offices - 703-684-8333
;; CURRENT APPLICATION NUMBER: PCT/US02/25941
;; CURRENT FILING DATE: 2002-08-27
;; NUMBER OF SEQ ID NOS: 3245
;; SOFTWARE: Proprietary
;; SEQ ID NO 1794
;; LENGTH: 15
;; TYPE: DNA
;; ORGANISM: Streptococcus pneumoniae complete genome.
;; FEATURE:
;; LOCATION: (1199168)...(1199182)
;; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 2201
PCT-US02-25941-1794

Query Match 10.2%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATGGGT 763
|||
Db 2 TTGATAATATGGGT 15

RESULT 251
US-10-316-957-297
;; Sequence 297, Application US/10316957
;; GENERAL INFORMATION:
;; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;; TITLE OF INVENTION: Streptococcus pneumoniae TIGR4 complete genome.
;; FILE REFERENCE: Jim Zeger Law Offices - 703-684-8333
;; CURRENT APPLICATION NUMBER: US/10/316,957
;; CURRENT FILING DATE: 2002-12-12
;; NUMBER OF SEQ ID NOS: 3245
;; SOFTWARE: Proprietary
;; SEQ ID NO 297
;; LENGTH: 15
;; TYPE: DNA
;; ORGANISM: Streptococcus pneumoniae TIGR4 complete genome.
;; FEATURE:
;; LOCATION: (273627)...(273641)
;; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 390
US-10-316-957-297

Query Match 10.2%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATGGGT 763
|||
Db 2 TTGATAATATGGGT 15

RESULT 252
US-10-316-957-1794
;; Sequence 1794, Application US/10316957
;; GENERAL INFORMATION:
;; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;; TITLE OF INVENTION: Streptococcus pneumoniae TIGR4 complete genome.
;; FILE REFERENCE: Jim Zeger Law Offices - 703-684-8333
;; CURRENT APPLICATION NUMBER: US/10/316,957
;; CURRENT FILING DATE: 2002-12-12
;; NUMBER OF SEQ ID NOS: 3245
;; SOFTWARE: Proprietary
;; SEQ ID NO 1794
;; LENGTH: 15
;; TYPE: DNA
;; ORGANISM: Streptococcus pneumoniae TIGR4 complete genome.
;; FEATURE:
;; LOCATION: (1199168)...(1199182)
;; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 2201
US-10-316-957-1794

Query Match 10.2%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATGGGT 763
|||
Db 2 TTGATAATATGGGT 15

RESULT 253
US-10-367-794A-297
;; Sequence 297, Application US/10367794A
;; GENERAL INFORMATION:
;; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;; TITLE OF INVENTION: Streptococcus pneumoniae complete genome.
;; FILE REFERENCE: Jim Zeger Law Offices - 703-684-8333
;; CURRENT APPLICATION NUMBER: US/10/367,794A
;; CURRENT FILING DATE: 2003-02-19
;; NUMBER OF SEQ ID NOS: 3245
;; SOFTWARE: Proprietary
;; SEQ ID NO 297
;; LENGTH: 15
;; TYPE: DNA
;; ORGANISM: Streptococcus pneumoniae complete genome.
;; FEATURE:
;; LOCATION: (273627)...(273641)
;; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 390
US-10-367-794A-297

Query Match 10.2%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATGGGT 763
|||
Db 2 TTGATAATATGGGT 15

RESULT 254
US-10-367-794A-1794
;; Sequence 1794, Application US/10367794A
;; GENERAL INFORMATION:
;; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;; TITLE OF INVENTION: Streptococcus pneumoniae complete genome.

FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/367,794A
CURRENT FILING DATE: 2003-02-19
NUMBER OF SEQ ID NOS: 3245
SOFTWARE: Proprietary
SEQ ID NO 1794
LENGTH: 15
TYPE: DNA
ORGANISM: Streptococcus pneumoniae complete genome.
FEATURE:
LOCATION: (1199168)...(1199182)
OTHER INFORMATION: Chromosome = 1 Strand = negative
US-10-367-794A-1794

Query Match 10.2%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 750 TTGATATATCGGT 763
||| |||||
Db 2 TTGATATATCGGT 15

RESULT 255

PCT-US02-17674-667/c
Sequence 667, Application PC/TUS0217674
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pamela
APPLICANT: Sandberg, Jennifer
APPLICANT: Gordon, Gilad
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: NUCLEIC ACID BASED MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR FOR THE TREATMENT OF ANGIOGENESIS RELATED DISEASES AND
FILE REFERENCE: 400/047 (02-325)
CURRENT APPLICATION NUMBER: PCT/US02/17674
CURRENT FILING DATE: 2003-03-25
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 09/371,772
PRIOR FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 09/708,690
PRIOR FILING DATE: 2000-11-07
PRIOR APPLICATION NUMBER: US 09/870,161
PRIOR FILING DATE: 2001-05-29
PRIOR APPLICATION NUMBER: US 60/334,461
PRIOR FILING DATE: 2001-11-30
PRIOR APPLICATION NUMBER: US 10/138,674
PRIOR FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 5989
SOFTWARE: PatentIn version 3.0
SEQ ID NO 667
LENGTH: 17
TYPE: RNA
ORGANISM: Homo Sapiens
PCT-US02-17674-667

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 755 AATATGGGTCAAGA 768
||| |||||
Db 17 AATGTGGGTCAAGA 4

RESULT 256

US-09-528-209A-8215/c
Sequence 8215, Application US/09528209A
GENERAL INFORMATION:

APPLICANT: Agilent Technologies
TITLE OF INVENTION: Computational Method for Constructing a Universal
TITLE OF INVENTION: Tag-Antitag Molecular Array System for Hybridization
TITLE OF INVENTION: Analysis
FILE REFERENCE: 10992790
CURRENT APPLICATION NUMBER: US/09/528,209A
CURRENT FILING DATE: 2000-03-17
NUMBER OF SEQ ID NOS: 10286
SOFTWARE: Bergstrom Sequence Formatter
SEQ ID NO 8215
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: A tag sequence incorporated in a probe nucleotide, the tag
OTHER INFORMATION: sequence complementary to an antitag sequence incorporated
OTHER INFORMATION: within a universal tag-antitag molecular array
US-09-528-209A-8215

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATAT 759
||| |||||
Db 15 ATTATTGATAATTT 2

RESULT 257

US-09-528-209A-9674
Sequence 9674, Application US/09528209A
GENERAL INFORMATION:
APPLICANT: Agilent Technologies
TITLE OF INVENTION: Computational Method for Constructing a Universal
TITLE OF INVENTION: Tag-Antitag Molecular Array System for Hybridization
TITLE OF INVENTION: Analysis
FILE REFERENCE: 10992790
CURRENT APPLICATION NUMBER: US/09/528,209A
CURRENT FILING DATE: 2000-03-17
NUMBER OF SEQ ID NOS: 10286
SOFTWARE: Bergstrom Sequence Formatter
SEQ ID NO 9674
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: A tag sequence incorporated in a probe nucleotide, the tag
OTHER INFORMATION: sequence complementary to an antitag sequence incorporated
OTHER INFORMATION: within a universal tag-antitag molecular array
US-09-528-209A-9674

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATAT 759
||| |||||
Db 3 ATTATTGATAATAT 16

RESULT 258

US-09-708-690-4742/c
Sequence 4742, Application US/09708690
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MEH800,876-L (400/002)
CURRENT APPLICATION NUMBER: US/09/708,690

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RESULT 262
; US-09-870-161-4743/c
; Sequence 4743, Application US/09870161
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc
; APPLICANT: Pavco, Pam
; APPLICANT: MCSwiggan, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for
; TITLE OF INVENTION: Levels of Vascular Flow

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FILE REFERENCE: MEHB00-876-M (400/026)
CURRENT APPLICATION NUMBER: US/09/870,161
CURRENT FILING DATE: 2001-08-27
NUMBER OF SEQ ID NOS: 20821
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4743
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-870-161-4743

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 755 AATATGGGTCAAGA 768
Db 14 AATGGGTCAAGA 1

RESULT 263
US-09-870-161-7625/c
Sequence 7625, Application US/09870161
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Related to the Growth of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MEHB00-876-M (400/026)
CURRENT APPLICATION NUMBER: US/09/870,161
CURRENT FILING DATE: 2001-08-27
NUMBER OF SEQ ID NOS: 20821
SOFTWARE: PatentIn version 3.0
SEQ ID NO 7625
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-870-161-7625

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 755 AATATGGGTCAAGA 768
Db 17 AATGGGTCAAGA 4

RESULT 264
US-09-922-181A-3205
Sequence 3205, Application US/09922181A
GENERAL INFORMATION:
APPLICANT: Gu, Yizhong
APPLICANT: Nguyen, Cung-Tuong
APPLICANT: Shannon, Mark
TITLE OF INVENTION: FOUR HUMAN ZINC-FINGER-CONTAINING PROTEINS: MDZ3, MDZ4, MDZ7 AND MDZ8
FILE REFERENCE: AEWICA-12
CURRENT APPLICATION NUMBER: US/09/922,181A
CURRENT FILING DATE: 2001-12-12
NUMBER OF SEQ ID NOS: 7046
SOFTWARE: AEWICA Sequence Listing Engine
SEQ ID NO 3205
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-09-922-181A-3205

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 711 ATTCTGTGGGCA 724
Db 2 ATTCTGTGGGCA 15

RESULT 265
US-09-922-181A-3206
Sequence 3206, Application US/09922181A
GENERAL INFORMATION:
APPLICANT: Gu, Yizhong
APPLICANT: Nguyen, Cung-Tuong
APPLICANT: Shannon, Mark
TITLE OF INVENTION: FOUR HUMAN ZINC-FINGER-CONTAINING PROTEINS: MDZ3, MDZ4, MDZ7 AND MDZ8
FILE REFERENCE: AEWICA-12
CURRENT APPLICATION NUMBER: US/09/922,181A
CURRENT FILING DATE: 2001-12-12
NUMBER OF SEQ ID NOS: 7046
SOFTWARE: AEWICA Sequence Listing Engine
SEQ ID NO 3206
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-09-922-181A-3206

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 711 ATTCTGTGGGCA 724
Db 1 ATTCTGTGGGCA 14

RESULT 266
US-10-017-974-4961
Sequence 4961, Application US/10017974
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Lawrence
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid-Based Treatment of Diseases or Conditions Related to Nucleic Acid Infection
FILE REFERENCE: MEHB00.1109-A (400/037)
CURRENT APPLICATION NUMBER: US/10/017,974
CURRENT FILING DATE: 2001-12-10
NUMBER OF SEQ ID NOS: 37080
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4961
LENGTH: 17
TYPE: RNA
ORGANISM: West Nile virus
US-10-017-974-4961

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 7; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

Qy 690 ATACTGATGCTGT 703
Db 3 AUAUGAUGGUCUCU 16

RESULT 267
US-10-017-974-6067
Sequence 6067, Application US/10017974
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Lawrence
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid-Based Treatment of Diseases or Conditions Related to Nucleic Acid Infection
FILE REFERENCE: MEHB00.1109-A (400/037)

; CURRENT APPLICATION NUMBER: US/10/017,974
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 37080
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 6067
; LENGTH: 17
; TYPE: RNA
; ORGANISM: West Nile virus
US-10-017-974-6067

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 7; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

QY 690 ATACTGATTCCTCT 703
Db 4 AUAUGAUGUCUCU 17

RESULT 268
US-10-017-974-8835/c
; Sequence 8835, Application US/10017974
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid-Based Treatment of Diseases or Conditions Related to
; TITLE OF INVENTION: Nucleic Acid-Based Treatment of Diseases or Conditions Related to
; FILE REFERENCE: MBH00-1109-A (400/037)
; CURRENT APPLICATION NUMBER: US/10/017,974
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 37080
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 8835
; LENGTH: 17
; TYPE: RNA
; ORGANISM: West Nile virus
US-10-017-974-8835

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 690 ATACTGATTCCTCT 703
Db 14 ATACTGATTCCTCT 1

RESULT 269
US-10-138-674-4742/c
; Sequence 4742, Application US/10138674
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 4742
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-4742

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCAAGA 768
Db 15 AATGTGGGTCAAGA 2

RESULT 270
US-10-138-674-4743/c
; Sequence 4743, Application US/10138674
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 4743
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-4743

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCAAGA 768
Db 14 AATGTGGGTCAAGA 1

RESULT 271
US-10-138-674-7625/c
; Sequence 7625, Application US/10138674
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 7625
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-7625

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCAAGA 768
Db 17 AATGTGGGTCAAGA 4

RESULT 272
US-10-138-674A-4742/c
; Sequence 4742, Application US/10138674A
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

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; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138.674A
; CURRENT FILING DATE: 2002-05-03
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4742
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674A-4742

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCAAGA 768
DB 15 AATGTGGGTCAAGA 2

RESULT 273
US-10-138-674A-4743/C
; Sequence 4743, Application US/10138674A
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138.674A
; CURRENT FILING DATE: 2002-05-03
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4743
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674A-4743

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCAAGA 768
DB 14 AATGTGGGTCAAGA 1

RESULT 274
US-10-138-674A-7625/C
; Sequence 7625, Application US/10138674A
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138.674A
; CURRENT FILING DATE: 2002-05-03
; SOFTWARE: PatentIn version 3.0
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; SEQ ID NO 7625
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674A-7625

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCAAGA 768
DB 17 AATGTGGGTCAAGA 4

RESULT 275
US-10-287-949A-4742/C
; Sequence 4742, Application US/10287949A
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287.949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4742
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-4742

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCAAGA 768
DB 15 AATGTGGGTCAAGA 2

RESULT 276
US-10-287-949A-4743/C
; Sequence 4743, Application US/10287949A
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/287.949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4743
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-4743

Query Match 10.2%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCAAGA 768
DB 15 AATGTGGGTCAAGA 2
```



```

; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16787
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-310-188-16787

Query Match      10.2%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 729 GACGTTTACCTTG 742
DB 18 GAGCTTTTACCTTG 5

RESULT 282
US-10-310-188-86635
; Sequence 86635, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 86635
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-310-188-86635

Query Match      10.2%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGATAA 756
DB 2 AGGATTATTGATCA 15

RESULT 283
US-60-216-745-8119
; Sequence 8119, Application US/60216745
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Abderrahim, Hadi
; APPLICANT: Dufauré-Gare, Isabelle
; TITLE OF INVENTION: BIALLELIC MARKER MAPS FOR USE IN CONSTRUCTING A HIGH DENSITY...
; FILE REFERENCE: 84, US1, PRO
; CURRENT APPLICATION NUMBER: US/60/216,745
; CURRENT FILING DATE: 2000-06-30
; NUMBER OF SEQ ID NOS: 13665
; SOFTWARE: Patent.pm
; SEQ ID NO 8119
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer 99-52214 for SEQ 3588,

```

```

US-60-216-745-8119

Query Match      10.2%; Score 12.4; DB 1; Length 18;
Best Local Similarity 92.9%; Pred. No. 1.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATAAT 757
DB 2 GGATGATTGATAAT 15

RESULT 284
PCT-US02-32227-14/c
; Sequence 14, Application PC/TUS0232227
; GENERAL INFORMATION:
; APPLICANT: Carroll, George C.
; APPLICANT: University of Oregon
; TITLE OF INVENTION: Materials and Methods for Detection of
; FILE REFERENCE: ORE.99-09-2
; CURRENT APPLICATION NUMBER: PCT/US02/32227
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: US 60/327,982
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 14
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: primer
; PCT-US02-32227-14

Query Match      10.2%; Score 12.4; DB 1; Length 19;
Best Local Similarity 92.9%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 668 AGGGTTTACTTTC 681
DB 17 AGGGGTTACTTTC 4

RESULT 285
PCT-US03-23090-7/c
; Sequence 7, Application PC/TUS0323090
; GENERAL INFORMATION:
; APPLICANT: Kaminski, Joseph
; TITLE OF INVENTION: TRANSPOSON-BASED VECTORS AND METHODS OF
; FILE REFERENCE: 11000.0001P1
; CURRENT APPLICATION NUMBER: PCT/US03/23090
; CURRENT FILING DATE: 2003-07-24
; PRIOR APPLICATION NUMBER: 60/398,628
; PRIOR FILING DATE: 2002-07-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence/note =
; OTHER INFORMATION: synthetic construct
; PCT-US03-23090-7

Query Match      10.2%; Score 12.4; DB 1; Length 19;
Best Local Similarity 92.9%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 672 TTTACTTTGCAGCG 685
DB 19 TTTACTTTGCAGGG 6

```


RESULT 286
US-09-548-954A-1053/c
; Sequence 1053, Application US/09548954A
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; APPLICANT: LITTLE, RANDALL
; APPLICANT: VAN EERDEWEGH, PAUL
; APPLICANT: DUPUIS, JOSE
; APPLICANT: DEL MASTRO, RICHARD
; APPLICANT: SIMON, JASON
; APPLICANT: ALLEN, KRISTINA
; APPLICANT: PANDIT, SUNIL
; TITLE OF INVENTION: NOVEL HUMAN GENES RELATING TO RESPIRATORY DISEASES AND
; TITLE OF INVENTION: OBESITY
; FILE REFERENCE: 2976-4040
; CURRENT APPLICATION NUMBER: US/09/548,954A
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: 60/129,391
; PRIOR FILING DATE: 1999-04-13
; NUMBER OF SEQ ID NOS: 1282
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 1053
; TYPE: DNA
; LENGTH: 19
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-548-954A-1053
Query Match 10.2%; Score 12.4; DB 1; Length 19;
Best Local Similarity 92.9%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 721 GCCATCTAGACCTT 734
Db 15 GCCATCGAGACCTT 2
RESULT 287
US-09-548-954B-1053/c
; Sequence 1053, Application US/09548954B
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; APPLICANT: LITTLE, RANDALL
; APPLICANT: VAN EERDEWEGH, PAUL
; APPLICANT: DUPUIS, JOSE
; APPLICANT: DEL MASTRO, RICHARD
; APPLICANT: SIMON, JASON
; APPLICANT: ALLEN, KRISTINA
; APPLICANT: PANDIT, SUNIL
; TITLE OF INVENTION: NOVEL HUMAN GENES RELATING TO RESPIRATORY DISEASES AND
; TITLE OF INVENTION: OBESITY
; FILE REFERENCE: 2976-4040
; CURRENT APPLICATION NUMBER: US/09/548,954B
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: 60/129,391
; PRIOR FILING DATE: 1999-04-13
; NUMBER OF SEQ ID NOS: 1282
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 1053
; TYPE: DNA
; LENGTH: 19
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-548-954B-1053
Query Match 10.2%; Score 12.4; DB 1; Length 19;
Best Local Similarity 92.9%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 721 GCCATCTAGACCTT 734
Db 15 GCCATCGAGACCTT 2
RESULT 288
PCT-US02-16840-1958
; Sequence 1958, Application PC/TUS0216840
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Levels
; TITLE OF INVENTION: RAS, HER2 and HIV
; FILE REFERENCE: 400/046 (MEHB02-326)
; CURRENT APPLICATION NUMBER: PCT/US02/16840
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: US 60/296,249
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/294,140
; PRIOR FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 6810
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1958
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
PCT-US02-16840-1958
Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 1.6e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
QY 663 GACAGAGGGTTTACTTT 679
Db 1 GACAGAGAGCUUACUGU 17
RESULT 289
PCT-US02-16840A-1958
; Sequence 1958, Application PC/TUS0216840A
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Levels
; TITLE OF INVENTION: RAS, HER2 and HIV
; FILE REFERENCE: 400/046 (MEHB02-326)
; CURRENT APPLICATION NUMBER: PCT/US02/16840A
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: US 60/296,249
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/294,140
; PRIOR FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 6810
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1958
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
PCT-US02-16840A-1958
Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 1.6e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
QY 663 GACAGAGGGTTTACTTT 679
Db 1 GACAGAGAGCUUACUGU 17

RESULT 290

US-09-546-745A-2382/c
 ; Sequence 2382, Application US/09546745A
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Draper, Question
 ; APPLICANT: McSwiggen, Jim
 ; TITLE OF INVENTION: Method and Reagent for Inhibiting Influenza Virus Replication
 ; FILE REFERENCE: MEH00-1285-B (249/007)
 ; CURRENT APPLICATION NUMBER: US/09/561,298A
 ; CURRENT FILING DATE: 2000-04-28
 ; PRIOR APPLICATION NUMBER: US 07/882,713
 ; PRIOR FILING DATE: 1992-05-14
 ; PRIOR APPLICATION NUMBER: US 08/434,482
 ; PRIOR FILING DATE: 1995-05-03
 ; PRIOR APPLICATION NUMBER: US 08/433,322
 ; PRIOR FILING DATE: 1995-05-03
 ; PRIOR APPLICATION NUMBER: US 08/434,379
 ; PRIOR FILING DATE: 1995-05-03
 ; PRIOR APPLICATION NUMBER: US 08/192,946
 ; PRIOR FILING DATE: 1994-02-07
 ; NUMBER OF SEQ ID NOS: 3069
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 2382
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Influenza A virus
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
 ; US-09-546-745A-2382

Query Match 10.1%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 1.6e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 654 ACAGCTTTGACAGAGG 670
 |||||
 Db 17 ACAGCTTTGACAAATG 1

RESULT 291

US-09-561-298A-928
 ; Sequence 928, Application US/09561298A
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Draper, Question
 ; APPLICANT: McSwiggen, Jim
 ; TITLE OF INVENTION: Method and Reagent for Inhibiting Influenza Virus Replication
 ; FILE REFERENCE: MEH00-1285-B (249/007)
 ; CURRENT APPLICATION NUMBER: US/09/561,298A
 ; CURRENT FILING DATE: 2000-04-28
 ; PRIOR APPLICATION NUMBER: US 07/882,713
 ; PRIOR FILING DATE: 1992-05-14
 ; PRIOR APPLICATION NUMBER: US 08/434,482
 ; PRIOR FILING DATE: 1995-05-03
 ; PRIOR APPLICATION NUMBER: US 08/433,322
 ; PRIOR FILING DATE: 1995-05-03
 ; PRIOR APPLICATION NUMBER: US 08/434,379
 ; PRIOR FILING DATE: 1995-05-03
 ; PRIOR APPLICATION NUMBER: US 08/192,946
 ; PRIOR FILING DATE: 1994-02-07
 ; NUMBER OF SEQ ID NOS: 3069
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 928
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Influenza A virus
 ; US-09-561-298A-928

Query Match 10.1%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 52.9%; Pred. No. 1.6e+02;
 Matches 9; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 729 GACCTTTACCTTGAGG 745
 |||||
 Db 1 GACCUUGAUCUUGGG 17

RESULT 292

US-09-561-298A-1267/c
 ; Sequence 1267, Application US/09561298A

GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Draper, Question
 ; APPLICANT: McSwiggen, Jim
 ; TITLE OF INVENTION: Method and Reagent for Inhibiting Influenza Virus Replication
 ; FILE REFERENCE: MEH00-1285-B (249/007)
 ; CURRENT APPLICATION NUMBER: US/09/561,298A
 ; CURRENT FILING DATE: 2000-04-28
 ; PRIOR APPLICATION NUMBER: US 07/882,713
 ; PRIOR FILING DATE: 1992-05-14
 ; PRIOR APPLICATION NUMBER: US 08/434,482
 ; PRIOR FILING DATE: 1995-05-03
 ; PRIOR APPLICATION NUMBER: US 08/433,322
 ; PRIOR FILING DATE: 1995-05-03
 ; PRIOR APPLICATION NUMBER: US 08/434,379
 ; PRIOR FILING DATE: 1995-05-03
 ; PRIOR APPLICATION NUMBER: US 08/192,946
 ; PRIOR FILING DATE: 1994-02-07
 ; NUMBER OF SEQ ID NOS: 3069
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 1267
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Influenza A virus
 ; US-09-561-298A-1267

Query Match 10.1%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 1.6e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 659 TTGTGACAGAGGTTTA 675
 |||||
 Db 17 TTGTGACAAAGCGTCTA 1

RESULT 293

US-09-561-298A-1307/c
 ; Sequence 1307, Application US/09561298A
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Draper, Question
 ; APPLICANT: McSwiggen, Jim
 ; TITLE OF INVENTION: Method and Reagent for Inhibiting Influenza Virus Replication
 ; FILE REFERENCE: MEH00-1285-B (249/007)
 ; CURRENT APPLICATION NUMBER: US/09/561,298A
 ; CURRENT FILING DATE: 2000-04-28
 ; PRIOR APPLICATION NUMBER: US 07/882,713
 ; PRIOR FILING DATE: 1992-05-14
 ; PRIOR APPLICATION NUMBER: US 08/434,482
 ; PRIOR FILING DATE: 1995-05-03
 ; PRIOR APPLICATION NUMBER: US 08/433,322
 ; PRIOR FILING DATE: 1995-05-03
 ; PRIOR APPLICATION NUMBER: US 08/434,379
 ; PRIOR FILING DATE: 1995-05-03
 ; PRIOR APPLICATION NUMBER: US 08/192,946
 ; PRIOR FILING DATE: 1994-02-07
 ; NUMBER OF SEQ ID NOS: 3069
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 1307
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Influenza A virus
 ; US-09-561-298A-1307

Query Match 10.1%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 1.6e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 660 TTGTGACAGAGGTTTAC 676
 |||||
 Db 17 TTGTGACAAAGCGTCTAC 1

RESULT 294

US-09-670-607-296
 ; Sequence 296, Application US/09670607
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Usman, Nassim
 ; APPLICANT: McSwiggen, Jim
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of Protein-Tyrosine Phosphatase

; FILE REFERENCE: MBH00-836-A (237/194)
 ; CURRENT FILING DATE: 2000-09-26
 ; NUMBER OF SEQ ID NOS: 4262
 ; SOFTWARE: Patent in version 3.0
 ; SEQ ID NO 296
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 ; US-09-670-607-296

Query Match 10.1%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 41.2%; Pred. No. 1.6e+02;
 Matches 7; Conservative 7; Mismatches 3; Indels 0; Gaps 0;

QY 747 TTATGATATATGGGT 763
 DB 1 UUGAGUAUUGUGGU 17

RESULT 295

US-09-685-664B-2005
 ; Sequence 2005, Application US/09685664B
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Pavco, Pam
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Escobedo, Jaime

; TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Related to the Inhibition of Vascular Endothelial Growth Factor Receptor
 ; FILE REFERENCE: MBH00-876-K (400/021)
 ; CURRENT FILING DATE: 2000-10-10
 ; NUMBER OF SEQ ID NOS: 8231
 ; SOFTWARE: Patent in version 3.0
 ; SEQ ID NO 295
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 ; US-09-685-664B-2005

Query Match 10.1%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 64.7%; Pred. No. 1.6e+02;
 Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 653 AACAGCTTTGGACAGAG 669
 DB 1 AACAAUUUUGACAGAG 17

RESULT 296

US-09-708-690-2005
 ; Sequence 2005, Application US/09708690
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Pavco, Pam
 ; APPLICANT: McSwiggen, Jim

; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Escobedo, Jaime
 ; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Related to the Inhibition of Vascular Endothelial Growth Factor Receptor
 ; FILE REFERENCE: MBH00-876-L (400/002)
 ; CURRENT FILING DATE: 2001-08-31
 ; NUMBER OF SEQ ID NOS: 6005, 974
 ; SOFTWARE: Patent in version 3.0
 ; SEQ ID NO 296
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 ; US-09-708-690-2005

Query Match 10.1%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 64.7%; Pred. No. 1.6e+02;
 Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 653 AACAGCTTTGGACAGAG 669
 DB 1 AACAAUUUUGACAGAG 17

RESULT 297

US-09-780-533A-2475
 ; Sequence 2475, Application US/09780533A
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Blatt, Larry
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Chowrira, Bharat
 ; APPLICANT: Haeblerli, Pete

; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
 ; FILE REFERENCE: MBH00-878-A (400/011)
 ; CURRENT FILING DATE: 2001-02-09
 ; NUMBER OF SEQ ID NOS: 6679
 ; SOFTWARE: Patent in version 3.0
 ; SEQ ID NO 2475
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 ; US-09-780-533A-2475

Query Match 10.1%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 58.8%; Pred. No. 1.6e+02;
 Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 678 TTGACGCGGAGTACT 694
 DB 1 UUGCAGUGGAAGTCCU 17

RESULT 298

US-09-870-161-2005
 ; Sequence 2005, Application US/09870161
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Pavco, Pam
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Escobedo, Jaime

```

; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MHB00-876-M (400/026)
; CURRENT APPLICATION NUMBER: US/09/870,161
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 20821
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2005
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-870-161-2005

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      653 AACAGCTTTGGACAGAG 669
Db      1 AACAAUUUUUGACAGAG 17

RESULT 299
US-10-060-998-432/c
; Sequence 432, Application US/10060998
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Ascomica Sequence Listing Engine
; SEQ ID NO 432
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-432

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      738 CCTTGAGGATTATTCAT 754
Db      17 CCTTGATGAGGATTGAT 1

RESULT 300
US-10-060-998A-432/c
; Sequence 432, Application US/10060998A
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998A
; CURRENT FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3061
; SOFTWARE: Ascomica Sequence Listing Engine
; SEQ ID NO 432
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998A-432

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      738 CCTTGAGGATTATTCAT 754
Db      17 CCTTGATGAGGATTGAT 1

RESULT 300
US-10-060-998A-432/c
; Sequence 432, Application US/10060998A
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998A
; CURRENT FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3061
; SOFTWARE: Ascomica Sequence Listing Engine
; SEQ ID NO 432
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998A-432

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      738 CCTTGAGGATTATTCAT 754
Db      17 CCTTGATGAGGATTGAT 1

RESULT 301
US-10-138-674-2005
; Sequence 2005, Application US/10138674
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2005
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-2005

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      653 AACAGCTTTGGACAGAG 669
Db      1 AACAAUUUUUGACAGAG 17

RESULT 302
US-10-138-674A-2005
; Sequence 2005, Application US/10138674A
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674A
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20826
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2005
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674A-2005

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      653 AACAGCTTTGGACAGAG 669
Db      1 AACAAUUUUUGACAGAG 17
```

```

; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998A-432

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      738 CCTTGAGGATTATTCAT 754
Db      17 CCTTGATGAGGATTGAT 1

RESULT 301
US-10-138-674-2005
; Sequence 2005, Application US/10138674
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2005
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-2005

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      653 AACAGCTTTGGACAGAG 669
Db      1 AACAAUUUUUGACAGAG 17

RESULT 302
US-10-138-674A-2005
; Sequence 2005, Application US/10138674A
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MHB00-876-N (400/049)
; CURRENT APPLICATION NUMBER: US/10/138,674A
; CURRENT FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20826
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2005
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674A-2005

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      653 AACAGCTTTGGACAGAG 669
Db      1 AACAAUUUUUGACAGAG 17
```

```
RESULT 303
US-10-156-306-1661/c
; Sequence 1661, Application US/10156306
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, James
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; FILE REFERENCE: MBH01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1661
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-1661

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 708 GAAATTGCTGTGGGCCA 724
Db 17 GAAGTTCAGTGAGCCA 1

RESULT 304
US-10-238-700-3279
; Sequence 3279, Application US/10238700
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, James
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MBH01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 3279
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-3279

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 708 GAAATTGCTGTGGGCCA 724
Db 17 GAAGTTCAGTGAGCCA 1

RESULT 305
US-10-287-949A-2005
; Sequence 2005, Application US/10287949A
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBH00-876-N (400/049)
```

```
; CURRENT APPLICATION NUMBER: US/10/287,949A
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 2005
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-2005

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 653 AACAGCTTTGACAGAG 669
Db 1 AACAAUUUUUGACAGAG 17

RESULT 306
US-10-310-188-61893
; Sequence 61893, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 61893
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-61893

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 716 TGTGGCCCATCTAGACC 732
Db 1 TGAGGCCCATCGAGACC 17

RESULT 307
US-10-471-271-3449/c
; Sequence 3449, Application US/10471271
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haeblerli, Peter
; APPLICANT: McSwiggen, James
; APPLICANT: Posaugh, Kathy
; TITLE OF INVENTION: Modulation of Gene Expression Associated with Inflammation Prolif
; FILE REFERENCE: MBH 02-258-PCT (400/045)
; CURRENT APPLICATION NUMBER: US/10/471,271
; CURRENT FILING DATE: 2003-09-05
; PRIOR APPLICATION NUMBER: 60/181,797
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 05/780,533
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 09/827,395
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 60/294,412
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 13274
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 3449
```

```

; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic Acid
US-10-471-3449

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 708 GAAATGCTGTGGGCA 724
   ||| ||| ||| ||| |||
Db 17 GAAATGCTGTGGGCA 1

RESULT 308
US-10-723-361-2290/c
; Sequence 2290, Application US/10723361
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 2290
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-2291

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 714 GCTGTGGGCCATCTAGA 730
   ||| ||| ||| ||| |||
Db 17 GCTGTGGGCCATCTAGA 1

RESULT 310
US-10-723-361-7192
; Sequence 7192, Application US/10723361
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 2290
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-2290

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 715 CTGTGGGCCATCTAGAC 731
   ||| ||| ||| ||| |||
Db 17 CTGTGGGCCATCTAGAC 1

RESULT 309
US-10-723-361-2291/c
; Sequence 2291, Application US/10723361
; GENERAL INFORMATION:
```

```

; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 2291
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-2291

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 714 GCTGTGGGCCATCTAGA 730
   ||| ||| ||| ||| |||
Db 17 GCTGTGGGCCATCTAGA 1

RESULT 310
US-10-723-361-7192
; Sequence 7192, Application US/10723361
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 2291
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-2291
```

;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00667
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00664
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00669
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00665
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00668
;; PRIOR FILING DATE: 2001-01-30
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 15755
;; SOFTWARE: Aemica Sequence Listing Engine
;; SEQ ID NO 7192
;; LENGTH: 17
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-723-361-7192

Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 726 CTGACCTTTTACCTTG 742
||| ||||| ||||| |||||
Db 1 CTGACCTCTGACCTTG 17

RESULT 311
US-10-724-270-1958
;; Sequence 1958, Application US/10724270
;; GENERAL INFORMATION:
;; APPLICANT: McSwiggen, James
;; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;; FILE REFERENCE: 400/046-US (WBH02-326-A)
;; CURRENT APPLICATION NUMBER: US/10/724,270
;; CURRENT FILING DATE: 2003-11-26
;; PRIOR APPLICATION NUMBER: PCT/US02/16840
;; PRIOR FILING DATE: 2002-05-29
;; PRIOR APPLICATION NUMBER: US 60/318,471
;; PRIOR FILING DATE: 2001-09-10
;; PRIOR APPLICATION NUMBER: US 60/296,249
;; PRIOR FILING DATE: 2001-06-06
;; PRIOR APPLICATION NUMBER: US 60/294,140
;; PRIOR FILING DATE: 2001-05-29
;; PRIOR APPLICATION NUMBER: US 10/238,700
;; PRIOR FILING DATE: 2002-09-10
;; PRIOR APPLICATION NUMBER: US 10/163,552
;; PRIOR FILING DATE: 2002-06-06
;; PRIOR APPLICATION NUMBER: US 10/157,580
;; PRIOR FILING DATE: 2002-05-29
;; PRIOR APPLICATION NUMBER: US 10/693,059
;; PRIOR FILING DATE: 2002-10-23
;; PRIOR APPLICATION NUMBER: US 10/444,853
;; PRIOR FILING DATE: 2003-05-23
;; PRIOR APPLICATION NUMBER: US 10/417,012
;; PRIOR FILING DATE: 2003-04-16
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 6810
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 1958
;; LENGTH: 17
;; TYPE: RNA
;; ORGANISM: Homo sapiens
US-10-724-270-1958

Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 1.6e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 663 GACAGGGTTTACTTT 679
||| ||||| ||||| |||||
Db 1 GACAGAGCCUACUGU 17

RESULT 312
US-60-329-000-1040
;; Sequence 1040, Application US/60329000
;; GENERAL INFORMATION:
;; APPLICANT: Zhang, Jian
;; TITLE OF INVENTION: A HUMAN G PROTEIN COUPLED RECEPTOR
;; FILE REFERENCE: AEMICA-29
;; CURRENT APPLICATION NUMBER: US/60/329,000
;; CURRENT FILING DATE: 2001-10-12
;; NUMBER OF SEQ ID NOS: 1916
;; SOFTWARE: Aemica Sequence Listing Engine
;; SEQ ID NO 1040
;; LENGTH: 17
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-60-329-000-1040

Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 743 AGGATTATTGATATAT 759
||| ||||| ||||| |||||
Db 1 AGTATTATTGTTATTAT 17

RESULT 313
US-60-329-000-1041
;; Sequence 1041, Application US/60329000
;; GENERAL INFORMATION:
;; APPLICANT: Zhang, Jian
;; TITLE OF INVENTION: A HUMAN G PROTEIN COUPLED RECEPTOR
;; FILE REFERENCE: AEMICA-29
;; CURRENT APPLICATION NUMBER: US/60/329,000
;; CURRENT FILING DATE: 2001-10-12
;; NUMBER OF SEQ ID NOS: 1916
;; SOFTWARE: Aemica Sequence Listing Engine
;; SEQ ID NO 1041
;; LENGTH: 17
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-60-329-000-1041

Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 744 GGATTATTGATATATG 760
||| ||||| ||||| |||||
Db 1 GTATTATTGTTATTATG 17

RESULT 314
US-60-343-331-432/c
;; Sequence 432, Application US/60343331
;; GENERAL INFORMATION:
;; APPLICANT: Gu, Yizhong
;; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
;; FILE REFERENCE: AEMICA-34
;; CURRENT APPLICATION NUMBER: US/60/343,331
;; CURRENT FILING DATE: 2001-12-21
;; PRIOR APPLICATION NUMBER: PCT/US01/00666
;; PRIOR FILING DATE: 2001-01-30
;; NUMBER OF SEQ ID NOS: 3056
;; SOFTWARE: Aemica Sequence Listing Engine
;; SEQ ID NO 432
;; LENGTH: 17
;; TYPE: DNA

ORGANISM: Homo sapiens
US-60-343-331-432

Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 738 CCTTGAGGATTATTCAT 754
Db 17 CCTTGATGAGGATTGAT 1

RESULT 315
PCT-US02-18049-34/c
; Sequence 34, Application PC/TUS0218049
; GENERAL INFORMATION:
; APPLICANT: Mikesell, Glen E.
; APPLICANT: Shen, Henry
; TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR IMMUNOMODULA
; FILE REFERENCE: D0011 CIP PCT
; CURRENT APPLICATION NUMBER: PCT/US02/18049
; CURRENT FILING DATE: 2002-08-06
; PRIOR APPLICATION NUMBER: 10/077,023
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: PCT/US01/18257
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 09/875,338
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/272,107
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 60/209,811
; PRIOR FILING DATE: 2000-06-06
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: primer
PCT-US02-18049-34

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 721 GCCATCTAGACCTTTTA 737
Db 18 GCCCTCTGACCTTTCA 2

RESULT 316
PCT-US03-08657-107
; Sequence 107, Application PC/TUS0308657
; GENERAL INFORMATION:
; APPLICANT: Medical College of Ohio
; APPLICANT: Willey, James C.
; APPLICANT: Crawford, Erin L.
; TITLE OF INVENTION: MULTIPLEX STANDARDIZED REVERSE TRANSCRIPTASE-POLYMERASE CHAIN REA
; TITLE OF INVENTION: METHOD FOR ASSESSMENT OF GENE EXPRESSION IN SMALL BIOLOGICAL SAM
; FILE REFERENCE: 01154/2001-203
; CURRENT APPLICATION NUMBER: PCT/US03/08657
; CURRENT FILING DATE: 2003-03-20
; NUMBER OF SEQ ID NOS: 282
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 107
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US03-08657-107

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 664 ACAGAGGGTTTACTTTG 680
Db 2 ACTGGGGGTTTCTTTG 18

RESULT 317
US-09-363-632-63/c
; Sequence 63, Application US/09363632
; GENERAL INFORMATION:
; APPLICANT: Taneja, Krishan L.
; TITLE OF INVENTION: Non-Nucleic Acid Probes, Probe Sets, Methods and Kits
; TITLE OF INVENTION: Pertaining To The Detection Of Human Chromosomes X, Y,
; TITLE OF INVENTION: 1, 2, 6, 10, 16, 17 and 18
; FILE REFERENCE: BP9806US
; CURRENT APPLICATION NUMBER: US/09/363,632
; CURRENT FILING DATE: 1999-07-29
; EARLIER APPLICATION NUMBER: 60/094,874
; EARLIER FILING DATE: 1998-07-31
; EARLIER APPLICATION NUMBER: 60/109,313
; EARLIER FILING DATE: 1998-11-20
; EARLIER APPLICATION NUMBER: 60/120,827
; EARLIER FILING DATE: 1999-02-19
; EARLIER APPLICATION NUMBER: 60/137,636
; EARLIER FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 63
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Combined DNA/RNA Molecule:Synthetic
; OTHER INFORMATION: Molecule; Nucleobase Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Probing
; OTHER INFORMATION: Nucleobase Sequence
US-09-363-632-63

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 720 GGCCATCTAGACCTTTT 736
Db 18 GGACATGTAGACCTCTT 2

RESULT 318
US-09-520-760-111/c
; Sequence 111, Application US/09520760
; GENERAL INFORMATION:
; APPLICANT: Taneja, Krishan L.
; TITLE OF INVENTION: Non-Nucleic Acid Probes, Probe Sets, Methods And Kits
; TITLE OF INVENTION: Pertaining To The Detection Of Individual Human
; TITLE OF INVENTION: Chromosomes X, Y, 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12,
; TITLE OF INVENTION: 16, 17 And 18
; FILE REFERENCE: BP9806US-Cp1
; CURRENT APPLICATION NUMBER: US/09/520,760
; CURRENT FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: 60/094,874
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: 60/109,313
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/120,827
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 60/137,636
; PRIOR FILING DATE: 1999-06-04
; PRIOR APPLICATION NUMBER: 09/363,632
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 111
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Combined DNA/RNA Molecule: Probing
OTHER INFORMATION: Nucleobase Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Probing
OTHER INFORMATION: Nucleobase Sequence Of Non-nucleic Acid Probe
US-09-520-760-111

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 720 GGCCATCTAGACTTTT 736
DB 18 GGACATGTAGACTCTT 2

RESULT 319
US-09-530-935-18/c
Sequence 18, Application US/09530935
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Schmid, Susanne
APPLICANT: Ostapchuk, Philomena
TITLE OF INVENTION: SELECTIVE REGULATION OF ADENOVIRUS PRODUCTION
FILE REFERENCE: 3927-4133US2
CURRENT APPLICATION NUMBER: US/09/530,935
CURRENT FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: PCT/US99/08294
PRIOR FILING DATE: 1999-03-15
PRIOR APPLICATION NUMBER: US 60/081,867
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: US 60/088,321
PRIOR FILING DATE: 1998-06-05
NUMBER OF SEQ ID NOS: 31
SOFTWARE: Patent in version 3.1
SEQ ID NO 18
LENGTH: 18
TYPE: DNA
ORGANISM: ARTIFICIAL SEQUENCE
FEATURE:
OTHER INFORMATION: OLIGONUCLEOTIDE - ITR WITH XHO/SAL LINKERS
US-09-530-935-18

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 745 GATTATTGATATATCG 761
DB 18 GATTATTGATGATGCG 2

RESULT 320
US-09-627-796-111/c
Sequence 111, Application US/09627796
GENERAL INFORMATION:
APPLICANT: Taneja, Krishan L.
TITLE OF INVENTION: Non-Nucleic Acid Probes, Probe Sets, Methods And Kits
TITLE OF INVENTION: Pertaining To The Detection Of Individual Human
TITLE OF INVENTION: Chromosomes X, Y, 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12,
TITLE OF INVENTION: 16, 17, 18 And 20 As Well As 13/21 As A Pair
FILE REFERENCE: BP9806US-CP2
CURRENT APPLICATION NUMBER: US/09/627,796
CURRENT FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 60/094,874
PRIOR FILING DATE: 1998-07-31
PRIOR APPLICATION NUMBER: 60/109,313

PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/120,827
PRIOR FILING DATE: 1999-02-19
PRIOR APPLICATION NUMBER: 60/137,636
PRIOR FILING DATE: 1999-06-04
PRIOR APPLICATION NUMBER: 09/520,760
PRIOR FILING DATE: 2000-03-07
PRIOR APPLICATION NUMBER: 09/363,632
PRIOR FILING DATE: 1999-07-29
NUMBER OF SEQ ID NOS: 159
SOFTWARE: Patent in Ver. 2.1
SEQ ID NO 111
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Combined DNA/RNA Molecule: Probing
OTHER INFORMATION: Nucleobase Sequence
OTHER INFORMATION: Description of Artificial Sequence: Probing
OTHER INFORMATION: Nucleobase Sequence Of Non-nucleic Acid Probe
US-09-627-796-111

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 720 GGCCATCTAGACTTTT 736
DB 18 GGACATGTAGACTCTT 2

RESULT 321
US-09-627-796A-111/c
Sequence 111, Application US/09627796A
GENERAL INFORMATION:
APPLICANT: Taneja, Krishan L.
TITLE OF INVENTION: Non-Nucleic Acid Probes, Probe Sets, Methods And Kits
TITLE OF INVENTION: Pertaining To The Detection Of Individual Human
TITLE OF INVENTION: Chromosomes X, Y, 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12,
TITLE OF INVENTION: 16, 17, 18 And 20 As Well As 13/21 As A Pair
FILE REFERENCE: BP9806US-CP2
CURRENT APPLICATION NUMBER: US/09/627,796A
CURRENT FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 60/094,874
PRIOR FILING DATE: 1998-07-31
PRIOR APPLICATION NUMBER: 60/109,313
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/120,827
PRIOR FILING DATE: 1999-02-19
PRIOR APPLICATION NUMBER: 60/137,636
PRIOR FILING DATE: 1999-06-04
PRIOR APPLICATION NUMBER: 09/520,760
PRIOR FILING DATE: 2000-03-07
PRIOR APPLICATION NUMBER: 09/363,632
PRIOR FILING DATE: 1999-07-29
NUMBER OF SEQ ID NOS: 159
SOFTWARE: Patent in Ver. 2.1
SEQ ID NO 111
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Combined DNA/RNA Molecule: Probing
OTHER INFORMATION: Nucleobase Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Probing
OTHER INFORMATION: Nucleobase Sequence Of Non-nucleic Acid Probe
US-09-627-796A-111

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 720 GCCATCTAGACCTTTT 736
DB 18 GGACATGTAGACCTCTT 2

RESULT 322

US-09-875-338-51/c
; Sequence 51, Application US/09875338
; GENERAL INFORMATION:
; APPLICANT: MIKESSELL, GLEN E.
; APPLICANT: CHANG, HAN
; APPLICANT: FINGER, JOSHUA N.
; APPLICANT: YANG, GUCHEN
; APPLICANT: LU, PIN
; APPLICANT: ZHOU, XIA-DI
; APPLICANT: PEACH, ROBERT
; TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
; FILE REFERENCE: 3053-4071US2
; CURRENT APPLICATION NUMBER: US/09/875,338
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 60/272,107
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/209,811
; PRIOR FILING DATE: 2000-06-06
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 51
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-875-338-51

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 721 GCCATCTAGACCTTTTA 737
DB 18 GCCCTCTGGACCTTTCA 2

RESULT 323

US-09-887-880A-96
; Sequence 96, Application US/09887880A
; GENERAL INFORMATION:
; APPLICANT: Conaty, Jason Francis
; APPLICANT: Hendry, Philip
; APPLICANT: Lockett, Trevor John
; TITLE OF INVENTION: MINIRIBOZYMES ACTIVE AT LOW MAGNESIUM ION CONCENTRATIONS
; FILE REFERENCE: 65340
; CURRENT APPLICATION NUMBER: US/09/887,880A
; CURRENT FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 153
; SOFTWARE: Patent In version 3.1
; SEQ ID NO 96
; LENGTH: 18
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ribozyme
US-09-887-880A-96

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 47.1%; Pred. No. 1.7e+02;
Matches 8; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

QY 741 TGAGGATTATTGTAAT 757
DB 2 UGAUGAUUUGAACA 18

RESULT 324

US-09-969-373-3101/c
; Sequence 3101, Application US/09969373
; GENERAL INFORMATION:
; APPLICANT: Eifert, Roger J.
; APPLICANT: Hauge, Brian M.
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
; FILE REFERENCE: 38-10(52679)A
; CURRENT APPLICATION NUMBER: US/09/969,373
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/754,853
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: US/09/760,427
; PRIOR FILING DATE: 2001-01-13
; PRIOR APPLICATION NUMBER: US/09/855,768
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 4593
; SEQ ID NO 3101
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Glycine max
US-09-969-373-3101

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 660 TTGGACAGAGGGTTTAC 676
DB 18 TTGGAGAGGGGCTTAC 2

RESULT 325

US-10-077-023-51/c
; Sequence 51, Application US/10077023
; GENERAL INFORMATION:
; APPLICANT: MIKESSELL, GLEN E.
; APPLICANT: CHANG, HAN
; APPLICANT: FINGER, JOSHUA N.
; APPLICANT: YANG, GUCHEN
; APPLICANT: LU, PIN
; APPLICANT: ZHOU, XIA-DI
; APPLICANT: PEACH, ROBERT
; TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
; FILE REFERENCE: 3053-4071US3
; CURRENT APPLICATION NUMBER: US/10/077,023
; CURRENT FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 60/272,107
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/209,811
; PRIOR FILING DATE: 2000-06-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 51
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-077-023-51

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 721 GCCATCTAGACCTTTTA 737
DB 18 GCCCTCTGGACCTTTCA 2

RESULT 326

```
LOCATION: (37663437..(37663557)
OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 11635
```

```
US-10-299-054A-9663
Query Match      10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 697 TTGCTGTACCGAATT 713
DB 17 TTGCGAACCGGACATT 1

RESULT 331
US-10-303-778-1648/c
; Sequence 1648, Application US/10303778
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
; FILE REFERENCE: 47416
; CURRENT APPLICATION NUMBER: US/10/303,778
; CURRENT FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 17608
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1648
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-303-778-1648
Query Match      10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 655 CAGCTTTGGACAGAGGG 671
DB 18 CAGCTCTGCCACAGGG 2

RESULT 332
US-10-305-274-795
; Sequence 795, Application US/10305274
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Aquifex aeolicus complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/305,274
; CURRENT FILING DATE: 2002-11-27
; NUMBER OF SEQ ID NOS: 1550
; SOFTWARE: Proprietary
; SEQ ID NO 795
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Aquifex aeolicus complete genome.
; FEATURE:
; LOCATION: (833321)...(833338)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 1115
US-10-305-274-795
Query Match      10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 672 TTTACTTTGACGGGAA 688
DB 2 TTTACTTTGAAAGGAA 18

RESULT 333
US-10-305-274-796
; Sequence 796, Application US/10305274
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Aquifex aeolicus complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/305,274
; CURRENT FILING DATE: 2002-11-27
; NUMBER OF SEQ ID NOS: 1550
; SOFTWARE: Proprietary
; SEQ ID NO 796
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Aquifex aeolicus complete genome.
; FEATURE:
; LOCATION: (833321)...(833338)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 1115
US-10-305-274-796
Query Match      10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 672 TTTACTTTGACGGGAA 688
DB 2 TTTACTTTGAAAGGAA 18

RESULT 334
US-10-310-188-64855
; Sequence 64855, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 64855
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-64855
Query Match      10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 741 TGAGGATTATTGATAAT 757
DB 1 TGAAGAGTATAGATAAT 17

RESULT 335
US-10-310-188-65447
; Sequence 65447, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 65447
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-65447
Query Match      10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 659 TTTGGACAGAGGCTTAA 675
```

Db 2 TCTGGACAGTGGTTTGA 18
RESULT 336
US-10-310-188-74941
; Sequence 74941, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 74941
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-74941
Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 727 TAGACCTTTTACCTTGA 743
Db 1 TAGAGCTTTTCTTGA 17
RESULT 337
US-10-310-188-85684
; Sequence 85684, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: RosettaGenomics
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
; FILE REFERENCE: 47487
; CURRENT APPLICATION NUMBER: US/10/310,188
; CURRENT FILING DATE: 2002-12-19
; NUMBER OF SEQ ID NOS: 86841
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 85684
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-85684
Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 711 ATTGCTGTGGCCATCT 727
Db 2 ATTGCTGAGGCCATGT 18
RESULT 338
US-10-349-143-5910/c
; Sequence 5910, Application US/10349143
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5910
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer 99-7744 for SEQ 1976,
US-10-349-143-5910
Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 652 GAACAGCTTTGGACAGA 668
Db 18 GAACGCTTTGGTAAGA 2
RESULT 339
PCT-US01-26675-56
; Sequence 56, Application PC/TUS0126675
; GENERAL INFORMATION:
; APPLICANT: Genaisance Pharmaceuticals, Inc.
; APPLICANT: Anastasio, Alison E
; APPLICANT: Biegleski, Karyn M
; APPLICANT: Klem, Stefanie E
; APPLICANT: Koshiy, Beena
; APPLICANT: Kumar, Anant Madan
; TITLE OF INVENTION: HAPLOTYPES OF THE SELL GENE
; FILE REFERENCE: SELL MWH1116-PCT
; CURRENT APPLICATION NUMBER: PCT/US01/26675
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,262
; PRIOR FILING DATE: 2000-08-25
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 56
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US01-26675-56
Query Match 9.9%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 754 TAATATGGGTCA 765
Db 1 TAATATGGGTCA 12
RESULT 340
US-10-299-057A-2321/c
; Sequence 2321, Application US/10299057A
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Haemophilus influenzae Rd complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/299,057A
; CURRENT FILING DATE: 2002-11-19
; NUMBER OF SEQ ID NOS: 3578
; SOFTWARE: Proprietary
; SEQ ID NO 2321
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Haemophilus influenzae Rd complete genome.
; FEATURE:

```
; LOCATION: (1206986)...(1207000).
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 2980
US-10-299-057A-2321

Query Match          9.9%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TTGATAATATGG 761
    |||||
    |||||
Db 15 TTGATAATATGG 4

RESULT 341
PCT-US02-25944-3152
; Sequence 3152, Application PC/TUS0225944
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Saccharomyces cerevisiae complete genome.
; FILE REFERENCE: Jim Zeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: PCT/US02/25944
; CURRENT FILING DATE: 2002-08-27
; NUMBER OF SEQ ID NOS: 9208
; SOFTWARE: Proprietary
; SEQ ID NO 3152
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Saccharomyces cerevisiae complete genome.
; FEATURE:
; LOCATION: (162075)...(162091)
; OTHER INFORMATION: Chromosome = 6 Strand = positive ConnectronObjectNumber = 5363
PCT-US02-25944-3152

Query Match          9.9%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759
    |||||
    |||||
Db 1 TATTGATAATAT 12

RESULT 342
US-10-227-564-3152
; Sequence 3152, Application US/10227564
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Saccharomyces cerevisiae complete genome.
; FILE REFERENCE: Jim Zeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/227,564
; CURRENT FILING DATE: 2002-08-26
; NUMBER OF SEQ ID NOS: 9208
; SOFTWARE: Proprietary
; SEQ ID NO 3152
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Saccharomyces cerevisiae complete genome.
; FEATURE:
; LOCATION: (162075)...(162091)
; OTHER INFORMATION: Chromosome = 6 Strand = positive ConnectronObjectNumber = 5363
US-10-227-564-3152

Query Match          9.9%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759
    |||||
    |||||
Db 1 TATTGATAATAT 12

RESULT 343
US-10-299-054A-4780/c

; Sequence 4780, Application US/10299054A
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Mycobacterium tuberculosis complete genome.
; FILE REFERENCE: Jim Zeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/299,054A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 11910
; SOFTWARE: Proprietary
; SEQ ID NO 4780
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis complete genome.
; FEATURE:
; LOCATION: (1823568)...(1823583)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 5766
US-10-299-054A-4780

Query Match          9.9%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 699 GCTGTACCCGAA 710
    |||||
    |||||
Db 13 GCTGTACCCGAA 2

RESULT 344
US-10-299-054A-8064/c
; Sequence 8064, Application US/10299054A
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Mycobacterium tuberculosis complete genome.
; FILE REFERENCE: Jim Zeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/299,054A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 11910
; SOFTWARE: Proprietary
; SEQ ID NO 8064
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis complete genome.
; FEATURE:
; LOCATION: (3138906)...(3138921)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 9741
US-10-299-054A-8064

Query Match          9.9%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 699 GCTGTACCCGAA 710
    |||||
    |||||
Db 13 GCTGTACCCGAA 2

RESULT 345
US-10-017-974-2090
; Sequence 2090, Application US/10017974
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: Nucleic Acid-Based Treatment of Diseases or Conditions Related to
; TITLE OF INVENTION: Nile Virus Infection
; FILE REFERENCE: MBH00.1109-A (400/037)
; CURRENT APPLICATION NUMBER: US/10/017,974
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 37080
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2090
; LENGTH: 17
; TYPE: RNA
```

US-10-017-974-2090
 ORGANISM: West Nile virus

Query Match 9.9%; Score 12; DB 1; Length 17;
 Best Local Similarity 58.3%; Pred. No. 1.7e+02;
 Matches 7; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 690 ATACTGATTGCT 701
 Db 5 AUAUGAUGCU 16
 |||:|||||
 |||:|||||

RESULT 346

US-10-017-974-11365/c
 Sequence 11365, Application US/10017974

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Blatt, Lawrence

APPLICANT: McSwiggen, James

TITLE OF INVENTION: Nucleic Acid-Based Treatment of Diseases or Conditions Related to

TITLE OF INVENTION: Nile Virus Infection

FILE REFERENCE: MBH00.1109-A (400/037)

CURRENT APPLICATION NUMBER: US/10/017,974

CURRENT FILING DATE: 2001-12-10

NUMBER OF SEQ ID NOS: 37080

SOFTWARE: PatentIn version 3.0

SEQ ID NO 11365

LENGTH: 17

TYPE: RNA

ORGANISM: West Nile virus

US-10-017-974-11365

Query Match 9.9%; Score 12; DB 1; Length 17;
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 690 ATACTGATTGCT 701
 Db 13 ATACTGATTGCT 2
 |||:|||||
 |||:|||||

RESULT 347

US-10-017-974-13161/c
 Sequence 13161, Application US/10017974

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Blatt, Lawrence

APPLICANT: McSwiggen, James

TITLE OF INVENTION: Nucleic Acid-Based Treatment of Diseases or Conditions Related to

TITLE OF INVENTION: Nile Virus Infection

FILE REFERENCE: MBH00.1109-A (400/037)

CURRENT APPLICATION NUMBER: US/10/017,974

CURRENT FILING DATE: 2001-12-10

NUMBER OF SEQ ID NOS: 37080

SOFTWARE: PatentIn version 3.0

SEQ ID NO 13161

LENGTH: 17

TYPE: RNA

ORGANISM: West Nile virus

US-10-017-974-13161

Query Match 9.9%; Score 12; DB 1; Length 17;
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 690 ATACTGATTGCT 701
 Db 12 ATACTGATTGCT 1
 |||:|||||
 |||:|||||

RESULT 348

US-10-723-361-2292/c

Sequence 2292, Application US/10723361

GENERAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang

APPLICANT: PENN, Sharron G.

APPLICANT: HANZEL, David K.

APPLICANT: RANK, David R.

APPLICANT: CHEN, Wensheng

APPLICANT: SHANNON, Mark

TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI

FILE REFERENCE: PB0105

CURRENT APPLICATION NUMBER: US/10/723,361

CURRENT FILING DATE: 2003-11-26

PRIOR APPLICATION NUMBER: US 09/866,108

PRIOR FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 15755

SOFTWARE: Aecomica Sequence Listing Engine

SEQ ID NO 2292

LENGTH: 17

TYPE: DNA

ORGANISM: Homo sapiens

US-10-723-361-2292

Query Match 9.9%; Score 12; DB 1; Length 17;
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 714 GCTGTGGCCAT 725
 Db 16 GCTGTGGCCAT 5
 |||:|||||
 |||:|||||

RESULT 349

US-10-723-361-2293/c

Sequence 2293, Application US/10723361

GENERAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang

APPLICANT: PENN, Sharron G.

APPLICANT: HANZEL, David K.

APPLICANT: RANK, David R.

APPLICANT: CHEN, Wensheng

APPLICANT: SHANNON, Mark

TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI

FILE REFERENCE: PB0105

CURRENT APPLICATION NUMBER: US/10/723,361

CURRENT FILING DATE: 2003-11-26

PRIOR APPLICATION NUMBER: US 09/866,108

PRIOR FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

;; PRIOR APPLICATION NUMBER: PCT/US01/00666
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00667
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00664
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00669
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00665
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00668
;; PRIOR FILING DATE: 2001-01-30
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 15755
;; SOFTWARE: Acomica Sequence Listing Engine
;; SEQ ID NO 2293
;; LENGTH: 17
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-723-361-2293

Query Match 9.9%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 714 GCTGTGGGCCAT 725
Db 15 GCTGTGGGCCAT 4

RESULT 350
US-10-723-361-2294/c
;; Sequence 2294, Application US/10723361
;; GENERAL INFORMATION:
;; APPLICANT: GU, Yizhong
;; APPLICANT: JI, Yonggang
;; APPLICANT: PENN, Sharon G.
;; APPLICANT: HANZEL, David K.
;; APPLICANT: RANK, David R.
;; APPLICANT: CHEN, Wensheng
;; APPLICANT: SHANNON, Mark
;; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;; FILE REFERENCE: PB0105
;; CURRENT APPLICATION NUMBER: US/10/723.361
;; CURRENT FILING DATE: 2003-11-26
;; PRIOR APPLICATION NUMBER: US 09/866,108
;; PRIOR FILING DATE: 2001-05-25
;; PRIOR APPLICATION NUMBER: US 60/207,456
;; PRIOR FILING DATE: 2000-05-26
;; PRIOR APPLICATION NUMBER: GB 24263.6
;; PRIOR FILING DATE: 2000-10-04
;; PRIOR APPLICATION NUMBER: US 60/236,359
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: PCT/US01/00666
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00667
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00664
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00669
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00665
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00668
;; PRIOR FILING DATE: 2001-01-30
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 15755
;; SOFTWARE: Acomica Sequence Listing Engine
;; SEQ ID NO 2294
;; LENGTH: 17
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-723-361-2294

Query Match 9.9%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 714 GCTGTGGGCCAT 725
Db 14 GCTGTGGGCCAT 3

RESULT 351
US-10-723-361-2295/c
;; Sequence 2295, Application US/10723361
;; GENERAL INFORMATION:
;; APPLICANT: GU, Yizhong
;; APPLICANT: JI, Yonggang
;; APPLICANT: PENN, Sharon G.
;; APPLICANT: HANZEL, David K.
;; APPLICANT: RANK, David R.
;; APPLICANT: CHEN, Wensheng
;; APPLICANT: SHANNON, Mark
;; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
;; FILE REFERENCE: PB0105
;; CURRENT APPLICATION NUMBER: US/10/723.361
;; CURRENT FILING DATE: 2003-11-26
;; PRIOR APPLICATION NUMBER: US 09/866,108
;; PRIOR FILING DATE: 2001-05-25
;; PRIOR APPLICATION NUMBER: US 60/207,456
;; PRIOR FILING DATE: 2000-05-26
;; PRIOR APPLICATION NUMBER: GB 24263.6
;; PRIOR FILING DATE: 2000-10-04
;; PRIOR APPLICATION NUMBER: US 60/236,359
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: PCT/US01/00666
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00667
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00664
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00669
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00665
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00668
;; PRIOR FILING DATE: 2001-01-30
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 15755
;; SOFTWARE: Acomica Sequence Listing Engine
;; SEQ ID NO 2295
;; LENGTH: 17
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-723-361-2295

Query Match 9.9%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 714 GCTGTGGGCCAT 725
Db 13 GCTGTGGGCCAT 2

RESULT 352
US-10-723-361-2296/c
;; Sequence 2296, Application US/10723361
;; GENERAL INFORMATION:
;; APPLICANT: GU, Yizhong
;; APPLICANT: JI, Yonggang
;; APPLICANT: PENN, Sharon G.
;; APPLICANT: HANZEL, David K.
;; APPLICANT: RANK, David R.
;; APPLICANT: CHEN, Wensheng

APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; FILE REFERENCE: PB0105
; CURRENT APPLICATION NUMBER: US/10/723,361
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: US 09/866,108
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aemica Sequence Listing Engine
; SEQ ID NO 2296
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-2296

Query Match 9.9%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 714 GCTGTGGGCAT 725
|||||
DB 12 GCTGTGGGCAT 1

RESULT 353
PCT-US02-12063-104/c
; Sequence 104, Application PC/TUS0212063
; GENERAL INFORMATION:
; APPLICANT: SCHERING CORPORATION
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
; FILE REFERENCE: 2976-4039PC2
; CURRENT APPLICATION NUMBER: PCT/US02/12063
; CURRENT FILING DATE: 2002-04-15
; PRIOR APPLICATION NUMBER: 09/834,597
; PRIOR FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 104
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
PCT-US02-12063-104

Query Match 9.9%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TGTGGGCATCT 727
|||||
DB 14 TGTGGGCATCT 3

RESULT 354
PCT-US02-12063-146
; Sequence 146, Application PC/TUS0212063
; GENERAL INFORMATION:
; APPLICANT: SCHERING CORPORATION
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
; FILE REFERENCE: 2976-4039PC2
; CURRENT APPLICATION NUMBER: PCT/US02/12063
; CURRENT FILING DATE: 2002-04-15
; PRIOR APPLICATION NUMBER: 09/834,597
; PRIOR FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 146
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
PCT-US02-12063-146

Query Match 9.9%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TGTGGGCATCT 727
|||||
DB 4 TGTGGGCATCT 15

RESULT 355
US-10-126-022-104/c
; Sequence 104, Application US/10126022
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
; FILE REFERENCE: 2976-4039US2
; CURRENT APPLICATION NUMBER: US/10/126,022
; CURRENT FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 09/834,597
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: 09/548,797
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 104
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-126-022-104

Query Match 9.9%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TGTGGGCATCT 727
|||||
DB 14 TGTGGGCATCT 3

RESULT 356
US-10-126-022-146
; Sequence 146, Application US/10126022
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,

;; TITLE OF INVENTION: OBESITY, AND INFLAMMATORY BOWEL DISEASE
;; FILE REFERENCE: 2976-4039US2
;; CURRENT APPLICATION NUMBER: US/10/126,022
;; PRIOR FILING DATE: 2002-04-19
;; PRIOR APPLICATION NUMBER: 09/834,597
;; PRIOR FILING DATE: 2001-04-13
;; PRIOR APPLICATION NUMBER: 09/548,797
;; NUMBER OF SEQ ID NOS: 420
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 146
;; LENGTH: 18
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-126-022-146

Query Match 9.9%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 716 TGTGGGCCATCT 727
|||||
Db 4 TGTGGGCCATCT 15

RESULT 357
US-10-277-216-104/c
;; Sequence 104, Application US/10277216
;; GENERAL INFORMATION:
;; APPLICANT: KEITH, TIM
;; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
;; FILE REFERENCE: 2976-4051
;; CURRENT APPLICATION NUMBER: US/10/277,216
;; PRIOR FILING DATE: 2002-10-17
;; PRIOR APPLICATION NUMBER: 10/126,022
;; PRIOR FILING DATE: 2002-04-19
;; PRIOR APPLICATION NUMBER: 09/834,597
;; PRIOR FILING DATE: 2001-04-13
;; PRIOR APPLICATION NUMBER: 09/548,797
;; NUMBER OF SEQ ID NOS: 420
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 104
;; LENGTH: 18
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-277-216-104

Query Match 9.9%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 716 TGTGGGCCATCT 727
|||||
Db 14 TGTGGGCCATCT 3

RESULT 358
US-10-277-216-146
;; Sequence 146, Application US/10277216
;; GENERAL INFORMATION:
;; APPLICANT: KEITH, TIM
;; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
;; FILE REFERENCE: 2976-4051
;; CURRENT APPLICATION NUMBER: US/10/277,216
;; PRIOR FILING DATE: 2002-10-17
;; PRIOR APPLICATION NUMBER: 10/126,022

;; PRIOR FILING DATE: 2002-04-19
;; PRIOR APPLICATION NUMBER: 09/834,597
;; PRIOR FILING DATE: 2001-04-13
;; PRIOR APPLICATION NUMBER: 09/548,797
;; NUMBER OF SEQ ID NOS: 420
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 146
;; LENGTH: 18
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-277-216-146

Query Match 9.9%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 716 TGTGGGCCATCT 727
|||||
Db 4 TGTGGGCCATCT 15

RESULT 359
US-10-303-778-12243
;; Sequence 12243, Application US/10303778
;; GENERAL INFORMATION:
;; APPLICANT: RosettaGenomics
;; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL
;; FILE REFERENCE: 47416
;; CURRENT APPLICATION NUMBER: US/10/303,778
;; CURRENT FILING DATE: 2002-11-26
;; NUMBER OF SEQ ID NOS: 17608
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 12243
;; LENGTH: 18
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-303-778-12243

Query Match 9.9%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 713 TGCTGTGGGCCA 724
|||||
Db 1 TGCTGTGGGCCA 12

Search completed: April 27, 2004, 15:07:53
Job time : 2 secs

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OM nucleic - nucleic search, using sw model

Run on: April 27, 2004, 15:05:45 ; Search time 1 Seconds

(without alignments)

1.392 Million cell updates/sec

Title: us-09-828-344-3

Perfect score: 121

Sequence: 1 Gaacagctttgacagaggg.....ataatatgggtcaagaagtc 121

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 0.5

Searched: 354 seqs, 5753 residues

Total number of hits satisfying chosen parameters: 708

Minimum DB seq length: 8

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 355 summaries

Database : rnpb.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	16.5	20	1	US-09-828-344-43
2	20	16.5	20	1	US-09-828-344-44
3	20	16.5	20	1	US-09-828-344-45
4	20	16.5	20	1	US-09-828-344-46
5	20	16.5	20	1	US-09-828-344-47
6	16.8	13.9	20	1	US-09-828-344-125
7	16.8	13.9	20	1	US-09-828-344-124
8	16.4	13.6	20	1	US-09-828-344-127
9	15.8	13.1	20	1	US-09-828-344-128
10	15.2	12.6	20	1	US-09-828-344-129
11	15.2	12.6	22	1	US-10-231-845A-12
12	15.2	12.6	22	1	US-10-231-921-10
13	14.4	11.9	20	1	US-09-828-344-126
14	14.2	11.7	19	1	US-10-419-341-25
15	14.2	11.7	20	1	US-09-593-731-26
16	13.8	11.4	17	1	US-09-866-108-7613
17	13.8	11.4	17	1	US-09-866-108-7614
18	13.8	11.4	19	1	US-09-597-664-40
19	13.8	11.4	19	1	US-10-464-952-40
20	13.8	11.4	20	1	US-10-388-281-28
21	13.6	11.2	20	1	US-09-828-344-121
22	13.6	11.2	20	1	US-09-828-344-122
23	13.6	11.2	20	1	US-09-828-344-123
24	13.6	11.2	20	1	US-10-331-907-331
25	13.6	11.2	20	1	US-10-448-835-65
26	13.6	11.2	20	1	US-10-173-718-57
27	13.4	11.1	19	1	US-09-834-700-19
28	13.4	11.1	20	1	US-10-210-838-128
29	13.2	10.9	18	1	US-10-372-339A-74
30	13.2	10.9	20	1	US-10-349-143-4639
31	12.8	10.6	17	1	US-09-866-108-7612
32	12.8	10.6	17	1	US-09-866-108-7613
33	12.8	10.6	17	1	US-09-866-108-10289

17	1	US-09-866-108-10290	12.8	10.6	34
18	1	US-10-349-143-11752	12.8	10.6	35
19	1	US-10-224-005-40	12.8	10.6	36
19	1	US-10-224-005-201	12.8	10.6	37
19	1	US-10-437-733-12	12.6	10.4	C 38
17	1	US-09-866-108-2290	12.2	10.1	C 39
17	1	US-09-866-108-2291	12.2	10.1	C 40
17	1	US-09-866-108-2291	12.2	10.1	C 41
17	1	US-09-866-108-7192	12.2	10.1	C 42
17	1	US-09-780-533A-2475	12.2	10.1	C 43
17	1	US-10-060-998-432	12.2	10.1	C 44
17	1	US-10-156-306-1661	12.2	10.1	C 45
17	1	US-10-238-700-3279	12.2	10.1	C 46
17	1	US-09-875-338-51	12.2	10.1	C 47
18	1	US-09-969-373-3101	12.2	10.1	C 48
18	1	US-10-077-023-51	12.2	10.1	C 49
18	1	US-10-109-349A-107	12.2	10.1	C 50
18	1	US-10-349-143-5910	12.2	10.1	C 51
17	1	US-09-866-108-2292	12	9.9	C 52
17	1	US-09-866-108-2293	12	9.9	C 53
17	1	US-09-866-108-2294	12	9.9	C 54
17	1	US-09-866-108-2295	12	9.9	C 55
17	1	US-09-866-108-2296	12	9.9	C 56
18	1	US-10-277-216-104	12	9.9	C 57
18	1	US-10-277-216-146	12	9.9	C 58
18	1	US-10-126-022-104	12	9.9	C 59
18	1	US-10-126-022-146	12	9.9	C 60
15	1	US-09-152-059-52	11.8	9.8	C 61
15	1	US-10-008-029-52	11.8	9.8	C 62
15	1	US-10-308-650-52	11.8	9.8	C 63
15	1	US-10-440-850-732	11.8	9.8	C 64
17	1	US-09-866-108-7611	11.8	9.8	C 65
17	1	US-09-866-108-7616	11.8	9.8	C 66
17	1	US-09-866-108-10288	11.8	9.8	C 67
17	1	US-09-866-108-10291	11.8	9.8	C 68
17	1	US-09-989-339-31	11.8	9.8	C 69
17	1	US-09-740-332-1248	11.8	9.8	C 70
17	1	US-09-740-332-3307	11.8	9.8	C 71
17	1	US-09-817-879-1248	11.8	9.8	C 72
17	1	US-09-817-879-3307	11.8	9.8	C 73
17	1	US-09-927-046-135	11.8	9.8	C 74
17	1	US-09-927-046-686	11.8	9.8	C 75
17	1	US-09-927-046-687	11.8	9.8	C 76
17	1	US-10-163-552-978	11.8	9.8	C 77
17	1	US-10-317-449-52	11.8	9.8	C 78
17	1	US-10-339-793-250	11.8	9.8	C 79
17	1	US-10-360-705-15	11.8	9.8	C 80
18	1	US-09-875-338-75	11.8	9.8	C 81
18	1	US-09-287-599-6	11.8	9.8	C 82
18	1	US-10-077-023-75	11.8	9.8	C 83
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18	1	US-10-349-143-11340	11.8	9.8	C 85
18	1	US-10-349-143-11354	11.8	9.8	C 86
13	1	US-09-884-901-16	11.4	9.4	C 87
13	1	US-10-421-491-1	11.4	9.4	C 88
13	1	US-10-191-381-9	11.4	9.4	C 89
15	1	US-09-877-478-6534	11.4	9.4	C 90
15	1	US-10-342-902-6534	11.4	9.4	C 91
15	1	US-10-440-850-731	11.4	9.4	C 92
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17	1	US-09-827-998-237	11.4	9.4	C 98
17	1	US-09-827-998-238	11.4	9.4	C 99
17	1	US-09-827-998-239	11.4	9.4	C 100
17	1	US-09-825-805-555	11.4	9.4	C 101
17	1	US-09-942-583-4	11.4	9.4	C 102
17	1	US-09-942-583-8	11.4	9.4	C 103
17	1	US-09-730-289B-103	11.4	9.4	C 104
17	1	US-09-730-289B-835	11.4	9.4	C 105
17	1	US-09-730-289B-1081	11.4	9.4	C 106
17	1	US-09-730-289B-185	11.4	9.4	C 107

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108	11.4	9.4	17	1	US-09-780-533A-2150	Sequence 2150, Ap	181	11.2	9.3	17	1	US-09-817-879-3434	Sequence 3434, Ap
109	11.4	9.4	17	1	US-09-780-533A-2488	Sequence 2488, Ap	182	11.2	9.3	17	1	US-10-342-902-1776	Sequence 1776, Ap
110	11.4	9.4	17	1	US-09-877-478-1115	Sequence 1115, Ap	183	11.2	9.3	17	1	US-10-342-902-2416	Sequence 2416, Ap
111	11.4	9.4	17	1	US-09-877-478-1116	Sequence 1116, Ap	c 184	11.2	9.3	17	1	US-10-060-830-753	Sequence 753, App
112	11.4	9.4	17	1	US-09-877-478-1117	Sequence 1117, App	c 185	11.2	9.3	17	1	US-10-060-830-754	Sequence 754, App
113	11.4	9.4	17	1	US-09-877-478-389	Sequence 389, App	c 186	11.2	9.3	17	1	US-10-060-756A-752	Sequence 752, App
114	11.4	9.4	17	1	US-09-877-478-390	Sequence 390, App	c 187	11.2	9.3	17	1	US-10-060-756A-753	Sequence 753, App
115	11.4	9.4	17	1	US-09-877-478-804	Sequence 804, App	c 188	11.2	9.3	17	1	US-10-060-998-431	Sequence 431, App
116	11.4	9.4	17	1	US-09-877-478-805	Sequence 805, App	c 189	11.2	9.3	17	1	US-10-060-998-433	Sequence 433, App
117	11.4	9.4	17	1	US-09-877-478-2371	Sequence 2371, Ap	190	11.2	9.3	17	1	US-10-060-998-797	Sequence 797, App
118	11.4	9.4	17	1	US-09-848-754A-1856	Sequence 1856, Ap	191	11.2	9.3	17	1	US-10-060-998-798	Sequence 798, App
119	11.4	9.4	17	1	US-09-848-754A-1857	Sequence 1857, Ap	192	11.2	9.3	17	1	US-10-156-306-2395	Sequence 2395, App
120	11.4	9.4	17	1	US-09-848-754A-1858	Sequence 1858, Ap	193	11.2	9.3	17	1	US-10-128-560-155	Sequence 155, App
121	11.4	9.4	17	1	US-09-848-754A-2631	Sequence 2631, App	c 194	11.2	9.3	17	1	US-10-128-560-205	Sequence 205, App
122	11.4	9.4	17	1	US-10-453-792-195	Sequence 195, App	c 195	11.2	9.3	17	1	US-10-241-780-51	Sequence 51, Appl
123	11.4	9.4	17	1	US-10-453-792-197	Sequence 197, App	196	11.2	9.3	17	1	US-10-061-201-364	Sequence 364, App
124	11.4	9.4	17	1	US-10-342-902-115	Sequence 115, App	197	11.2	9.3	17	1	US-10-061-201-365	Sequence 365, App
125	11.4	9.4	17	1	US-10-342-902-116	Sequence 116, App	198	11.2	9.3	17	1	US-10-061-201-836	Sequence 836, App
126	11.4	9.4	17	1	US-10-342-902-117	Sequence 117, App	199	11.2	9.3	17	1	US-10-061-201-837	Sequence 837, App
127	11.4	9.4	17	1	US-10-342-902-389	Sequence 389, App	200	11.2	9.3	17	1	US-10-338-777-373	Sequence 373, App
128	11.4	9.4	17	1	US-10-342-902-390	Sequence 390, App	c 201	11.2	9.3	17	1	US-10-307-005-1307	Sequence 1307, Ap
129	11.4	9.4	17	1	US-10-342-902-804	Sequence 804, App	202	11.2	9.3	17	1	US-10-307-005-1308	Sequence 1308, Ap
130	11.4	9.4	17	1	US-10-342-902-805	Sequence 805, App	c 203	11.2	9.3	17	1	US-10-307-005-1339	Sequence 1339, Ap
131	11.4	9.4	17	1	US-10-342-902-2371	Sequence 2371, Ap	204	11.2	9.3	17	1	US-10-307-005-1340	Sequence 1340, Ap
132	11.4	9.4	17	1	US-10-675-685-2335	Sequence 2335, App	c 205	11	9.1	11	1	US-09-918-715-10	Sequence 10, Appl
133	11.4	9.4	17	1	US-10-675-685-2336	Sequence 2336, App	c 206	11	9.1	11	1	US-10-440-850-1	Sequence 1, Appl
134	11.4	9.4	17	1	US-10-675-685-2337	Sequence 2337, App	c 207	10.8	8.9	15	1	US-09-504-231A-268	Sequence 268, App
135	11.4	9.4	17	1	US-10-675-685-2338	Sequence 2338, App	c 208	10.8	8.9	15	1	US-09-504-231A-1056	Sequence 1056, App
136	11.4	9.4	17	1	US-10-675-685-2339	Sequence 2339, App	c 209	10.8	8.9	15	1	US-09-274-553D-268	Sequence 268, App
137	11.4	9.4	17	1	US-10-163-552-977	Sequence 977, App	210	10.8	8.9	15	1	US-09-274-553D-1056	Sequence 1056, App
138	11.4	9.4	17	1	US-10-003-354-4	Sequence 4, Appl	c 211	10.8	8.9	15	1	US-10-091-281-303	Sequence 303, App
139	11.4	9.4	17	1	US-10-257-124-3	Sequence 3, Appl	c 212	10.8	8.9	15	1	US-10-440-850-2	Sequence 2, Appl
140	11.4	9.4	17	1	US-10-061-201-366	Sequence 366, App	213	10.8	8.9	15	1	US-10-420-194-34	Sequence 34, Appl
141	11.4	9.4	17	1	US-10-061-201-367	Sequence 367, App	214	10.8	8.9	15	1	US-10-420-194-125	Sequence 125, App
142	11.4	9.4	17	1	US-10-061-201-368	Sequence 368, App	215	10.8	8.9	15	1	US-10-420-194-392	Sequence 392, App
143	11.4	9.4	17	1	US-10-061-201-369	Sequence 369, App	c 216	10.8	8.9	15	1	US-10-025-003-8	Sequence 8, Appl
144	11.4	9.4	17	1	US-10-061-201-370	Sequence 370, App	c 217	10.8	8.9	15	1	US-10-084-539-3034	Sequence 3034, Ap
145	11.2	9.3	16	1	US-10-134-655-14	Sequence 14, Appl	c 218	10.6	8.8	15	1	US-10-044-674-35	Sequence 35, Appl
146	11.2	9.3	16	1	US-10-322-138-82	Sequence 82, Appl	c 219	10.4	8.6	12	1	US-10-125-194-9	Sequence 9, Appl
147	11.2	9.3	16	1	US-09-866-108-2289	Sequence 2289, Ap	220	10.4	8.6	13	1	US-09-811-093-26	Sequence 26, Appl
148	11.2	9.3	17	1	US-09-866-108-7191	Sequence 7191, Ap	c 221	10.4	8.6	13	1	US-09-931-007A-3	Sequence 3, Appl
149	11.2	9.3	17	1	US-09-866-108-7193	Sequence 7193, Ap	222	10.4	8.6	13	1	US-09-931-007A-10	Sequence 10, Appl
150	11.2	9.3	17	1	US-09-866-108-7619	Sequence 7619, Ap	223	10.4	8.6	13	1	US-10-342-711-12	Sequence 12, Appl
151	11.2	9.3	17	1	US-09-866-108-7620	Sequence 7620, Ap	224	10.4	8.6	13	1	US-10-333-227-12	Sequence 12, Appl
152	11.2	9.3	17	1	US-09-866-108-1005Q	Sequence 1005Q, A	c 225	10.4	8.6	13	1	US-10-113-877-37	Sequence 37, Appl
153	11.2	9.3	17	1	US-09-866-108-10051	Sequence 10051, A	c 226	10.4	8.6	13	1	US-10-106-799-6	Sequence 6, Appl
154	11.2	9.3	17	1	US-09-416-384A-13	Sequence 13, Appl	c 227	10.4	8.6	13	1	US-10-339-161-8	Sequence 8, Appl
155	11.2	9.3	17	1	US-09-961-077-47	Sequence 47, Appl	228	10.4	8.6	13	1	US-10-174-794-2	Sequence 2, Appl
156	11.2	9.3	17	1	US-09-961-077-49	Sequence 49, Appl	229	10.4	8.6	13	1	US-10-431-304-9	Sequence 9, Appl
157	11.2	9.3	17	1	US-09-730-289B-729	Sequence 729, App	c 230	10.4	8.6	13	1	US-10-333-227-37	Sequence 37, Appl
158	11.2	9.3	17	1	US-09-730-289B-873	Sequence 873, App	231	10.4	8.6	13	1	US-10-382-262-6	Sequence 6, Appl
159	11.2	9.3	17	1	US-09-730-289B-1123	Sequence 1123, Ap	232	10.4	8.6	14	1	US-09-033-525-9	Sequence 9, Appl
160	11.2	9.3	17	1	US-09-780-533A-723	Sequence 723, App	233	10.4	8.6	14	1	US-10-113-877-73	Sequence 73, Appl
161	11.2	9.3	17	1	US-09-780-533A-2084	Sequence 2084, Ap	c 234	10.4	8.6	14	1	US-10-223-074-65	Sequence 65, Appl
162	11.2	9.3	17	1	US-09-780-533A-2474	Sequence 2474, Ap	c 235	10.4	8.6	15	1	US-09-504-231A-629	Sequence 629, App
163	11.2	9.3	17	1	US-09-780-533A-1776	Sequence 1776, Ap	c 236	10.4	8.6	15	1	US-09-504-231A-630	Sequence 630, App
164	11.2	9.3	17	1	US-09-776-478-2416	Sequence 2416, Ap	c 237	10.4	8.6	15	1	US-09-274-553D-629	Sequence 629, App
165	11.2	9.3	17	1	US-09-848-754A-153	Sequence 153, App	c 238	10.4	8.6	15	1	US-09-274-553D-630	Sequence 630, App
166	11.2	9.3	17	1	US-09-848-754A-154	Sequence 154, App	239	10.4	8.6	15	1	US-09-922-261-398	Sequence 398, App
167	11.2	9.3	17	1	US-09-848-754A-553	Sequence 553, App	c 240	10.4	8.6	15	1	US-09-973-788A-37	Sequence 37, Appl
168	11.2	9.3	17	1	US-09-848-754A-554	Sequence 554, App	c 241	10.4	8.6	15	1	US-09-923-625-37	Sequence 37, Appl
169	11.2	9.3	17	1	US-09-776-474-210	Sequence 210, App	c 242	10.4	8.6	15	1	US-09-973-638A-37	Sequence 37, Appl
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171	11.2	9.3	17	1	US-09-776-474-595	Sequence 595, App	c 244	10.4	8.6	15	1	US-09-976-617A-37	Sequence 37, Appl
172	11.2	9.3	17	1	US-09-776-474-1179	Sequence 1179, Ap	c 245	10.4	8.6	15	1	US-09-961-949A-37	Sequence 37, Appl
173	11.2	9.3	17	1	US-09-930-423-1423	Sequence 1423, Ap	c 246	10.4	8.6	15	1	US-09-760-500A-37	Sequence 37, Appl
174	11.2	9.3	17	1	US-09-740-332-2568	Sequence 2568, Ap	c 247	10.4	8.6	15	1	US-09-967-409A-37	Sequence 37, Appl
175	11.2	9.3	17	1	US-09-740-332-3124	Sequence 3124, Ap	c 248	10.4	8.6	15	1	US-09-975-062A-37	Sequence 37, Appl
176	11.2	9.3	17	1	US-09-740-332-3434	Sequence 3434, Ap	c 249	10.4	8.6	15	1	US-09-976-378A-37	Sequence 37, Appl
177	11.2	9.3	17	1	US-09-745-237A-1423	Sequence 1423, Ap	c 250	10.4	8.6	15	1	US-09-976-577-37	Sequence 37, Appl
178	11.2	9.3	17	1	US-09-817-879-2568	Sequence 2568, Ap	c 251	10.4	8.6	15	1	US-09-966-312-37	Sequence 37, Appl
179	11.2	9.3	17	1			c 252	10.4	8.6	15	1	US-09-927-777A-37	Sequence 37, Appl

; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 44
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-44

Query Match 16.5%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.5;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 699 GCTGTACCCGAATTCCTGT 718
|||||
DB 20 GCTGTACCCGAATTCCTGT 1

RESULT 3

US-09-828-344-45/c
; Sequence 45, Application US/09828344
; Publication No. US20030044979A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 45
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-45

Query Match 16.5%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.5;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 730 ACCTTTTACCTTGAGGATTA 749
|||||
DB 20 ACCTTTTACCTTGAGGATTA 1

RESULT 4

US-09-828-344-46/c
; Sequence 46, Application US/09828344
; Publication No. US20030044979A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 46
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-46

Query Match 16.5%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.5;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 731 CCTTTTACCTTGAGGATTA 750
|||||
DB 20 CCTTTTACCTTGAGGATTA 1

RESULT 5

US-09-828-344-47/c
; Sequence 47, Application US/09828344
; Publication No. US20030044979A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 47
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-47

Query Match 16.5%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.5;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 753 ATAATATGGGTCAAGAGTC 772
|||||
DB 20 ATAATATGGGTCAAGAGTC 1

RESULT 6

US-09-828-344-125/c
; Sequence 125, Application US/09828344
; Publication No. US20030044979A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 125
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-125

Query Match 13.9%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 17;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 693 CTGATTGCTGTACCCGAAAT 712
|||||
DB 20 CTGATTGCTGTACCCGAAAT 1

RESULT 7

US-09-828-344-127/c
; Sequence 127, Application US/09828344
; Publication No. US20030044979A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344

; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 127
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-127

Query Match 13.9%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 17;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 725 TCTAGACCTTTACCTTGAG 744
DB 20 TCTAGACCTTTACCTTTAAG 1

RESULT 8
US-09-828-344-124/c
; Sequence 124, Application US/09828344
; Publication No. US20030044979A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 124
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-124

Query Match 13.6%; Score 16.4; DB 1; Length 20;
Best Local Similarity 94.4%; Pred. No. 21;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 678 TTGCAGCGAGACTG 695
DB 18 TTGCAGTGGAGACTG 1

RESULT 9
US-09-828-344-128/c
; Sequence 128, Application US/09828344
; Publication No. US20030044979A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 128
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-128

Query Match 13.1%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 26;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 726 CTAGACCTTTACCTTGAG 744

DB 20 CTAGACCTTTACCTTAAG 2

RESULT 10
US-09-828-344-129/c
; Sequence 129, Application US/09828344
; Publication No. US20030044979A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
; FILE REFERENCE: RTS-0147
; CURRENT APPLICATION NUMBER: US/09/828,344
; CURRENT FILING DATE: 2001-04-06
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 129
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-129

Query Match 12.6%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 34;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 727 TAGACCTTTACCTTGAGGA 746
DB 20 TAGACCTTTACCTTAAGAA 1

RESULT 11
US-10-231-845A-12/c
; Sequence 12, Application US/10231845A
; Publication No. US20030099617A1
; GENERAL INFORMATION:
; APPLICANT: JE-HO LEE
; APPLICANT: SEUNG-HOON LEE
; TITLE OF INVENTION: METHOD FOR USING THYMOSIN a-10 FOR GENE
; TITLE OF INVENTION: THERAPY OF SOLID MALIGNANT TUMORS
; FILE REFERENCE: 118.17US01
; CURRENT APPLICATION NUMBER: US/10/231,845A
; PRIOR FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: Korean 2001-63524
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: E1B down primer
US-10-231-845A-12

Query Match 12.8%; Score 15.2; DB 1; Length 22;
Best Local Similarity 85.0%; Pred. No. 41;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 686 GAAGATACCTGATTGCTGTAC 705
DB 22 GAAGATACAGATTGAGGTAC 3

RESULT 12
US-10-231-921-10/c
; Sequence 10, Application US/10231921
; Publication No. US20030108522A1
; GENERAL INFORMATION:
; APPLICANT: JE-HO LEE
; APPLICANT: SEUNG-HOON LEE

```
/ TITLE OF INVENTION: METHOD FOR USING SMAD FOR GENE THERAPY
/ TITLE OF INVENTION: OF SOLID MALIGNANT TUMORS
/ FILE REFERENCE: G&G 118.16-US-01
/ CURRENT APPLICATION NUMBER: US/10/231,921
/ CURRENT FILING DATE: 2002-08-30
/ PRIOR APPLICATION NUMBER: Korean Appln. No. US20030108522A1 2001-71120
/ PRIOR FILING DATE: 2001-11-15
/ NUMBER OF SEQ ID NOS: 12
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 10
/ LENGTH: 22
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: E1B down primer
US-10-231-921-10

Query Match      12.6%; Score 15.2; DB 1; Length 22;
Best Local Similarity 85.0%; Pred. No. 41;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      686 GAAGATACGATGCTGTGAC 705
Db      22 GAAGATACAGATTGAGGTAC 3

RESULT 13
US-09-828-344-126/c
/ Sequence 126, Application US/09828344
/ Publication No. US2003004979A1
/ GENERAL INFORMATION:
/ APPLICANT: C. Frank Bennett
/ APPLICANT: Jacqueline Wyatt
/ TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
/ FILE REFERENCE: RTS-0147
/ CURRENT APPLICATION NUMBER: US/09/828,344
/ CURRENT FILING DATE: 2001-04-06
/ NUMBER OF SEQ ID NOS: 176
/ SEQ ID NO 126
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-126

Query Match      11.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 47;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      704 ACCGAAATTCCTGTG 719
Db      20 ACTCGAAATTCCTGTG 5

RESULT 14
US-10-419-341-25
/ Sequence 25, Application US/10419341
/ Publication No. US2003018078A1
/ GENERAL INFORMATION:
/ APPLICANT: Krishnan, Rajendra
/ APPLICANT: Coleman, Rebecca A.
/ APPLICANT: Voder, Christine C.
/ APPLICANT: Durtschi, Becky A.
/ APPLICANT: Brake, David
/ TITLE OF INVENTION: POLYNUCLEOTIDE MOLECULES ENCODING NEOSPORA PROTEINS
/ FILE REFERENCE: PC9943A
/ CURRENT APPLICATION NUMBER: US/10/419,341
/ CURRENT FILING DATE: 2003-04-21
/ PRIOR APPLICATION NUMBER: US/09/276,438
/ PRIOR FILING DATE: 1999-03-25
/ PRIOR APPLICATION NUMBER: 60/079,389
/ PRIOR FILING DATE: 1998-03-26
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/ PRIOR APPLICATION NUMBER: 60/112,282
/ PRIOR FILING DATE: 1998-12-15
/ NUMBER OF SEQ ID NOS: 34
/ SOFTWARE: PatentIn Ver. 2.0 - beta
/ SEQ ID NO 25
/ LENGTH: 19
/ TYPE: DNA
/ ORGANISM: Neospora caninum
/ OTHER INFORMATION:
US-10-419-341-25

Query Match      11.7%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 46;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      667 GAGGTTTACTTTGCACCG 685
Db      1 GAGAGTTTCTTTGCACCG 19

RESULT 15
US-09-993-731-26
/ Sequence 26, Application US/09993731
/ Publication No. US20030105040A1
/ GENERAL INFORMATION:
/ APPLICANT: Brett P. Monia
/ APPLICANT: Andrew T. Watt
/ TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B-R EXPRESSION
/ FILE REFERENCE: RTS-0302
/ CURRENT APPLICATION NUMBER: US/09/993,731
/ CURRENT FILING DATE: 2001-11-13
/ NUMBER OF SEQ ID NOS: 89
/ SEQ ID NO 26
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-09-993-731-26

Query Match      11.7%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 51;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      706 CCGAATTGCTGTGGCCA 724
Db      2 CCGATCTTGGGTGGCCA 20

RESULT 16
US-09-866-108-7613
/ Sequence 7613, Application US/09866108
/ Patent No. US20020048600A1
/ GENERAL INFORMATION:
/ APPLICANT: GU, Yizhong
/ APPLICANT: JI, Yonggang
/ APPLICANT: PENN, Sharon G.
/ APPLICANT: HANZEL, David K.
/ APPLICANT: RANK, David R.
/ APPLICANT: CHEN, Wensheng
/ APPLICANT: SHANNON, Mark
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
/ FILE REFERENCE: AEMICA-7
/ CURRENT APPLICATION NUMBER: US/09/866,108
/ CURRENT FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7613
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7613

Query Match 11.4%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 44;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 730 ACCTTTACCTTGAGGA 746
||| |||||
DB 1 ACCTGTGACCTTGAGGA 17

RESULT 17

US-09-866-108-7614
; Sequence 7614, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7614
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7614

Query Match 11.4%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 44;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 731 CCTTTACCTTGAGGAT 747
||| |||||
DB 1 CCTGTGACCTTGAGGAT 17

RESULT 18

US-09-997-664-40
; Sequence 40, Application US/09997664
; Patent No. US20020151003A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Bassat, Arie
; APPLICANT: Cattermole, Monica
; APPLICANT: Gatlenby, Anthony A.
; APPLICANT: Gibson, Katherine J.
; APPLICANT: Ramos-Gonzalez, Isabel
; APPLICANT: Ramos, Juan
; APPLICANT: Sariafani, Sima
; TITLE OF INVENTION: Method for the Production of p-Hydroxybenzoate in Species of
; TITLE OF INVENTION: Pseudomonas and Agrobacterium
; FILE REFERENCE: BC1018 US CIP
; CURRENT APPLICATION NUMBER: US/09/997,664
; CURRENT FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: 09/585,174
; PRIOR FILING DATE: 2000-06-01
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 40
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
; OTHER INFORMATION: primer used for sequencing pcu
US-09-997-664-40

Query Match 11.4%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 55;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 699 GCTGTACCCGAATTGC 715
||| |||||
DB 2 GCCGTACCCGAAGTGC 18

RESULT 19

US-10-464-952-40
; Sequence 40, Application US/10464952
; Publication No. US20030207322A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Bassat, Arie

```
/ APPLICANT: Cattermole, Monica
/ APPLICANT: Gatenby, Anthony A.
/ APPLICANT: Gibson, Katherine J.
/ APPLICANT: Ramos-Gonzalez, Isabel
/ APPLICANT: Ramos, Juan
/ APPLICANT: Sariaslani, Sina
/ TITLE OF INVENTION: Method for the Production of p-Hydroxybenzoate in Species of
/ TITLE OF INVENTION: Pseudomonas and Agrobacterium
/ FILE REFERENCE: EC1018 US NA
/ CURRENT APPLICATION NUMBER: US/10/464,952
/ CURRENT FILING DATE: 2003-06-19
/ PRIOR APPLICATION NUMBER: US/09/585,174
/ PRIOR FILING DATE: 2000-06-01
/ NUMBER OF SEQ ID NOS: 112
/ SOFTWARE: Microsoft Office 97
/ SEQ ID NO 40
/ LENGTH: 19
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: primer
/ FEATURE:
/ OTHER INFORMATION: primer used for sequencing pcu
US-10-464-952-40

Query Match 11.4%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 55;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 699 GCTGTACCCGAATTGC 715
Db 2 GCCGTACCCGAATTGC 18

RESULT 20
US-10-388-281-28/c
/ Sequence 28, Application US/10388281
/ Publication No. US20030175784A1
/ GENERAL INFORMATION:
/ APPLICANT: Leary, Jeffrey J.
/ TITLE OF INVENTION: Method For Detecting, Analyzing, and
/ TITLE OF INVENTION: Mapping RNA Transcripts
/ FILE REFERENCE: P50772C1
/ CURRENT APPLICATION NUMBER: US/10/388,281
/ CURRENT FILING DATE: 2003-03-13
/ PRIOR APPLICATION NUMBER: 09/719,714
/ PRIOR FILING DATE: 2000-12-15
/ PRIOR APPLICATION NUMBER: 60/090,464
/ PRIOR FILING DATE: 1998-06-24
/ PRIOR APPLICATION NUMBER: PCT/US99/13813
/ PRIOR FILING DATE: 1999-06-18
/ NUMBER OF SEQ ID NOS: 38
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 28
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-388-281-28

Query Match 11.4%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 61;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 701 TGTACCGGAATTGCTG 717
Db 17 TGTACCGGAATTGCTG 1

RESULT 21
US-09-828-344-121/c
/ Sequence 121, Application US/09828344
/ Publication No. US20030044979A1
/ GENERAL INFORMATION:
/ APPLICANT: C. Frank Bennett
/ APPLICANT: Jacqueline Wyatt
/ TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
/ FILE REFERENCE: RTS-0147
/ CURRENT APPLICATION NUMBER: US/09/828,344
/ CURRENT FILING DATE: 2001-04-06
/ NUMBER OF SEQ ID NOS: 176
/ SEQ ID NO 121
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-121

Query Match 11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 66;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 654 ACAGCTTTGGACAGAGGTTT 673
Db 20 ACAGCTCGGGCAGATGTTT 1

RESULT 22
US-09-828-344-122/c
/ Sequence 122, Application US/09828344
/ Publication No. US20030044979A1
/ GENERAL INFORMATION:
/ APPLICANT: C. Frank Bennett
/ APPLICANT: Jacqueline Wyatt
/ TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
/ FILE REFERENCE: RTS-0147
/ CURRENT APPLICATION NUMBER: US/09/828,344
/ CURRENT FILING DATE: 2001-04-06
/ NUMBER OF SEQ ID NOS: 176
/ SEQ ID NO 122
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-122

Query Match 11.2%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 66;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 656 AGCTTTGGACAGAGGTTTA 675
Db 20 AGCTCGGGCAGATGTTTA 1

RESULT 23
US-09-828-344-123/c
/ Sequence 123, Application US/09828344
/ Publication No. US20030044979A1
/ GENERAL INFORMATION:
/ APPLICANT: C. Frank Bennett
/ APPLICANT: Jacqueline Wyatt
/ TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE I EXPRESSION
/ FILE REFERENCE: RTS-0147
/ CURRENT APPLICATION NUMBER: US/09/828,344
/ CURRENT FILING DATE: 2001-04-06
/ NUMBER OF SEQ ID NOS: 176
/ SEQ ID NO 123
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-09-828-344-123
```


;; PRIOR APPLICATION NUMBER: 60/217,251
;; PRIOR FILING DATE: 2000-07-10
;; PRIOR APPLICATION NUMBER: 60/240,335
;; PRIOR FILING DATE: 2000-10-13
;; NUMBER OF SEQ ID NOS: 25
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 19
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Primer
US-09-834-700-19

Query Match 11.1%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 64;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAATATGG 761
DB 19 TTGTTGTAATATGG 5

RESULT 28

US-10-210-838-128/c
;; Sequence 128, Application US/10210838
;; Publication No. US20040023905A1
;; GENERAL INFORMATION:
;; APPLICANT: Brett P. Monia
;; APPLICANT: Sanjay Bhanot
;; APPLICANT: Kenneth W. Dobie
;; APPLICANT: Susan M. Freier
;; TITLE OF INVENTION: ANTISENSE MODULATION OF LAR EXPRESSION
;; FILE REFERENCE: Pts-0013
;; CURRENT APPLICATION NUMBER: US/10/210,838
;; CURRENT FILING DATE: 2002-07-31
;; NUMBER OF SEQ ID NOS: 198
;; SEQ ID NO 128
;; LENGTH: 20
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Antisense Oligonucleotide
US-10-210-838-128

Query Match 11.1%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 71;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 733 TTTTACCTTGAGGAT 747
DB 17 TTTTACCTTGAGGAT 3

RESULT 29

US-10-272-339A-74
;; Sequence 74, Application US/10272339A
;; Publication No. US20030120661A1
;; GENERAL INFORMATION:
;; APPLICANT: Jingwu, Zhang Z.
;; TITLE OF INVENTION: T Cell Receptor VB-DB-JB Sequence and Methods For Its
;; FILE REFERENCE: 213838-00029
;; CURRENT APPLICATION NUMBER: US/10/272,339A
;; CURRENT FILING DATE: 2002-10-16
;; PRIOR APPLICATION NUMBER: US 09/641,576
;; PRIOR FILING DATE: 2000-08-18
;; PRIOR APPLICATION NUMBER: US 09/507,819
;; PRIOR FILING DATE: 2000-02-22
;; PRIOR APPLICATION NUMBER: US 60/121,311
;; PRIOR FILING DATE: 1999-02-23
;; NUMBER OF SEQ ID NOS: 77
;; SOFTWARE: Patent in Ver. 2.1

;; SEQ ID NO 74
;; LENGTH: 18
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-272-339A-74

Query Match 10.9%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 63;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 656 AGCTTTGGACAGAGGGTT 673
DB 1 AGCTTAGGACAGGGGCT 18

RESULT 30

US-10-349-143-4639
;; Sequence 4639, Application US/10349143
;; Publication No. US20040005584A1
;; GENERAL INFORMATION:
;; APPLICANT: Cohen, Daniel
;; APPLICANT: Blumenfeld, Ilya
;; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;; FILE REFERENCE: GENSET.020CP1
;; CURRENT APPLICATION NUMBER: US/10/349,143
;; CURRENT FILING DATE: 2003-01-21
;; PRIOR APPLICATION NUMBER: US/09/422,978
;; PRIOR FILING DATE: 1999-10-20
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
;; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
;; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
;; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
;; NUMBER OF SEQ ID NOS: 11796
;; SEQ ID NO 4639
;; LENGTH: 20
;; TYPE: DNA
;; ORGANISM: Homo Sapiens
;; FEATURE:
;; NAME/KEY: primer_bind
;; LOCATION: 1..20
;; OTHER INFORMATION: upstream amplification primer 99-1659 for SEQ 705,
US-10-349-143-4639

Query Match 10.9%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 77;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 684 CGGAAGATCTGATGCT 701
DB 1 CTGAATATCTGACTGCT 18

RESULT 31

US-09-866-108-7612
;; Sequence 7612, Application US/09866108
;; Patent No. US20020048800A1
;; GENERAL INFORMATION:
;; APPLICANT: GU, Yizhong
;; APPLICANT: JI, Yonggang
;; APPLICANT: PENN, Sharron G.
;; APPLICANT: HANZEL, David K.
;; APPLICANT: RANK, David R.
;; APPLICANT: CHEN, Wensheng
;; APPLICANT: SHANNON, Mark
;; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;; FILE REFERENCE: AEOMICA-7
;; CURRENT APPLICATION NUMBER: US/09/866,108
;; CURRENT FILING DATE: 2001-05-25
;; PRIOR APPLICATION NUMBER: US 60/207,456
;; PRIOR FILING DATE: 2000-05-26

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; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 7612
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7612

```

```

Query Match      10.6%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 66;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

Qy      730 ACCCTTTACCTTGAGG 745
Db      2  ACCTGTGACCTTGAGG 17

```

```

RESULT 32
US-09-866-108-7615
; Sequence 7615; Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: ACOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 7615
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7615

```

```

Query Match      10.6%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 66;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

Qy      732 CTTTACCTTGAGGAT 747
Db      1  CTGTGACCTTGAGGAT 16

```

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RESULT 33
US-09-866-108-10289
; Sequence 10289; Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: ACOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30

```

```
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 10289
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10289

Query Match      10.6%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 66;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      675 ACTTGCAGCGGAAGA 690
      ||||| |||||
Db      2 ACTTTGAACGGAAGA 17

RESULT 34
US-09-866-108-10290
; Sequence 10290, Application US/09866108
; Patent No. US2002004800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: A6MICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
```

```
; SEQ ID NO 10290
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10290

Query Match      10.6%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 66;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      675 ACTTGCAGCGGAAGA 690
      ||||| |||||
Db      1 ACITTTGAACGGAAGA 16

RESULT 35
US-10-349-143-11752
; Sequence 11752, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11752
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: downstream amplification primer 99-5075 for SEQ 3887, in complem
US-10-349-143-11752

Query Match      10.6%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 74;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      687 AAGATACTGATGCTG 702
      ||||| |||||
Db      1 AAGATACTGATGCTG 16

RESULT 36
US-10-224-005-40
; Sequence 40, Application US/10224005
; Publication No. US20030143732A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Fosnaugh, Kathy
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Adenosine A1 Receptor (A
; FILE REFERENCE: 900/041 (MEHE01-1110-A)
; CURRENT APPLICATION NUMBER: US/10/224,005
; CURRENT FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 347
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 40
```

```

; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
US-10-224-005-40

Query Match      10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 62.5%; Pred. No. 82;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 708 GAAATTGCTGTGGGCC 723
Db 4 GCAAUUGUGUGGACC 19

RESULT 37
US-10-224-005-201/c
; Sequence 201, Application US/10224005
; Publication No. US20030143732A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Foshnaugh, Kathy
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Adenosine A1 Receptor (AD)
; FILE REFERENCE: 900/041 (WBHB01-1110-A)
; CURRENT APPLICATION NUMBER: US/10/224,005
; CURRENT FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: US 60/315,315
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 347
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 201
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-224-005-201

Query Match      10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 82;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 708 GAAATTGCTGTGGGCC 723
Db 16 GCAATTGCTGTGGACC 1

RESULT 38
US-10-437-733-12
; Sequence 12, Application US/10437733
; Publication No. US20040005612A1
; GENERAL INFORMATION:
; APPLICANT: GIUDICE, LINDA C.
; APPLICANT: KAO, LEE C.
; TITLE OF INVENTION: ENDOMETRIAL GENES IN ENDOMETRIAL
; FILE REFERENCE: DISORDERS
; CURRENT APPLICATION NUMBER: US/10/437,733
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: 60/380,689
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: primer
US-10-437-733-12
```

```

Query Match      10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 89;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 666 ACAGGGTTTACTTTGCAGC 684
Db 1 ACAAGGTGTGGTTTGCAGC 19

RESULT 39
US-09-866-108-2290/c
; Sequence 2290, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: A60MICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 2290
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2290

Query Match      10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 84;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 715 CTGTGGCCCATCTAGAC 731
Db 17 CTGTGGCCCATGGACAC 1
```

RESULT 40

US-09-866-108-2291/c
; Sequence 2291, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 2291
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2291

Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 84;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY

714 GCTGTGGGCATCTAGA 730
Db 17 GCTGTGGGCATCTAGA 1

RESULT 41

US-09-866-108-7192
; Sequence 7192, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.

RESULT 42

US-09-866-108-2475
; Sequence 2475, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwigen, Jim
; APPLICANT: Blatt, Larry
; APPLICANT: Chowrira, Bharat
; APPLICANT: Hasberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBH00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: Patent version 3.0
; SEQ ID NO 2475
; LENGTH: 17

Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 84;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY

726 CTAGACCTTTTACCTTG 742
Db 1 CTGACCTCTGACCTTG 17

; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-2475

Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 84;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 678 TTGACGGGAGAGACT 694
 :::|||||:::|:
Db 1 UUGCAGUGGAGGCCU 17

RESULT 43

US-10-060-998-432/c
; Sequence 432, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Asomica Sequence Listing Engine
; SEQ ID NO 432
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-432

Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 84;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 738 CTTGAGGATTATGAT 754
 |||||
Db 17 CTTGATGAGGATTGAT 1

RESULT 44

US-10-156-306-1661/c
; Sequence 1661, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, James
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; FILE REFERENCE: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBH01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1661
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-1661

Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 84;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 708 GAAATTGCTGTGGGCA 724
 |||||
Db 17 GAAGTTGAGTGAGCCA 1

RESULT 45

US-10-238-700-3279
; Sequence 3279, Application US/10238700
; Publication No. US2003015321A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, James
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
; FILE REFERENCE: 400/057 (MBH01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3279
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-3279

Query Match 10.1%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 84;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 663 GACAGAGGGTTTACTTT 679
 |||||
Db 1 GACAGAGAGCTUACUGU 17

RESULT 46

US-09-875-338-51/c
; Sequence 51, Application US/09875338
; Patent No. US20020095024A1
; GENERAL INFORMATION:
; APPLICANT: MIKESSELL, GLEN E.
; APPLICANT: CHANG, HAN
; APPLICANT: FINGER, JOSHUA N.
; APPLICANT: YANG, GUCHEN
; APPLICANT: LU, PIN
; APPLICANT: ZHOU, XIA-DI
; APPLICANT: PEACH, ROBERT
; TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
; TITLE OF INVENTION: IMMUNOMODULATION
; FILE REFERENCE: 3053-407US2
; CURRENT APPLICATION NUMBER: US/09/875,338
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 60/272,107
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/209,811
; PRIOR FILING DATE: 2000-06-06
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 51
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-875-338-51

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 94;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 721 GCCATCTAGACCTTTTA 737
 |||||
Db 18 GCCCTCTGGACCTTCA 2

RESULT 47

US-09-969-373-3101/c
; Sequence 3101, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:

; APPLICANT: Effertz, Roger J.
; APPLICANT: Hauge, Brian M.
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
; FILE REFERENCE: 38-10(52679)A
; CURRENT APPLICATION NUMBER: US/09/969,373
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US 09/754,853
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: US 09/760,427
; PRIOR FILING DATE: 2001-01-13
; PRIOR APPLICATION NUMBER: US 09/855,768
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 4593

SEQ ID NO 3101
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Glycine max
US-09-969-373-3101

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 94;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 660 TTGCACAGAGGGTTTAC 676

Db 18 TTGGAAGGAGGGTCTAC 2

RESULT 48

US-10-077-023-51/c
; Sequence 51, Application US/10077023
; Publication No. US20030031675A1
; GENERAL INFORMATION:

; APPLICANT: MIKESSELL, GLEN E.
; APPLICANT: CHANG, HAN
; APPLICANT: FINGER, JOSHUA N.
; APPLICANT: YANG, GUCHEN
; APPLICANT: LU, PIN
; APPLICANT: ZHOU, XIA-DI
; APPLICANT: PEACH, ROBERT
; TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
; FILE REFERENCE: 3053-4071UG3
; CURRENT APPLICATION NUMBER: US/10/077,023
; CURRENT FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 60/272,107
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/209,911
; PRIOR FILING DATE: 2000-06-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 51
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-077-023-51

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 94;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 721 GCCATCTAGACCTTTTA 737

Db 18 GCCCTCTGACCTTCA 2

RESULT 49

US-10-109-349A-107
; Sequence 107, Application US/10109349A
; Publication No. US20030186246A1
; GENERAL INFORMATION:

; APPLICANT: Medical College of Ohio
; APPLICANT: Willey, James C.
; APPLICANT: Crawford, Erin L.
; TITLE OF INVENTION: MULTIPLEX STANDARDIZED REVERSE TRANSCRIPTASE-POLYMERASE CHAIN RE.
; FILE REFERENCE: 01154/2001-203
; CURRENT APPLICATION NUMBER: US/10/109,349A
; CURRENT FILING DATE: 2002-06-12
; NUMBER OF SEQ ID NOS: 282
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 107
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-109-349A-107

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 94;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 664 ACAGAGGCTTTACTTTG 680

Db 2 ACTGGGGCTTTCCTTG 18

RESULT 50

US-10-349-143-5910/c
; Sequence 5910, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:

; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5910
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens

; FEATURE:

; NAME/KEY: primer_bind

; LOCATION: 1..18

; OTHER INFORMATION: upstream amplification primer 99-7744 for SEQ 1976,
US-10-349-143-5910

Query Match 10.1%; Score 12.2; DB 1; Length 18;
Best Local Similarity 82.4%; Pred. No. 94;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 652 GAACAGCTTTGGACAGA 668

Db 18 GAACCTGCTTTGGTAAGA 2

RESULT 51

US-09-866-108-2292/c

```

; Sequence 2292, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 2292
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2292

```

```

Query Match 9.9%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 91;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 714 GCTGTGGGCCAT 725
Db 16 GCTGTGGGCCAT 5

```

```

RESULT 52
US-09-866-108-2293/c
; Sequence 2293, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark

```

```

; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 2293
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2293

```

```

Query Match 9.9%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 91;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 714 GCTGTGGGCCAT 725
Db 15 GCTGTGGGCCAT 4

```

```

RESULT 53
US-09-866-108-2294/c
; Sequence 2294, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27

```



```

; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Ascomica Sequence Listing Engine
; SEQ ID NO 2296
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2296

Query Match          9.9%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 91;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 714 GCTGTGGCCCAT 725
Db 12 GCTGTGGCCCAT 1

RESULT 56
US-10-277-216-104/c
; Sequence 104, Application US/10277216
; Publication No. US20040002470A1
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
; FILE REFERENCE: 2976-4051
; CURRENT APPLICATION NUMBER: US/10/277,216
; CURRENT FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 10/126,022
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 09/834,597
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: 09/548,797
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 104
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-277-216-104

Query Match          9.9%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TGTGGGCCCATCT 727
Db 14 TGTGGGCCCATCT 3

RESULT 57
US-10-277-216-146
; Sequence 146, Application US/10277216
; Publication No. US20040002470A1
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
; FILE REFERENCE: 2976-4051
; CURRENT APPLICATION NUMBER: US/10/277,216
; CURRENT FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 10/126,022
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 09/834,597
; PRIOR FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: Patentin Ver. 09/548,797
; SEQ ID NO 146
; LENGTH: 18

Query Match          9.9%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TGTGGGCCCATCT 727
Db 14 TGTGGGCCCATCT 3

RESULT 58
US-10-126-022-104/c
; Sequence 104, Application US/10126022
; Publication No. US20040023215A1
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
; FILE REFERENCE: 2976-4039US2
; CURRENT APPLICATION NUMBER: US/10/126,022
; CURRENT FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 09/834,597
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: 09/548,797
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 104
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-126-022-104

Query Match          9.9%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TGTGGGCCCATCT 727
Db 14 TGTGGGCCCATCT 3

RESULT 59
US-10-126-022-146
; Sequence 146, Application US/10126022
; Publication No. US20040023215A1
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; TITLE OF INVENTION: NOVEL HUMAN GENE RELATING TO RESPIRATORY DISEASES,
; FILE REFERENCE: 2976-4039US2
; CURRENT APPLICATION NUMBER: US/10/126,022
; CURRENT FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 09/834,597
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: 09/548,797
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 146
; LENGTH: 18

```

TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-126-022-146

Query Match 9.8%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1e-02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TGTGGCCATCT 727
|||||
Db 4 TGTGGCCATCT 15

RESULT 60
US-09-152-059-52/c
Sequence 52, Application US/09152059
Patent No. US20020068708A1
GENERAL INFORMATION:
APPLICANT: WENGEL, JESPER
TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES
FILE REFERENCE: 49165 (71994)
CURRENT APPLICATION NUMBER: US/09/152,059
PRIORITY FILING DATE: 1998-09-11
PRIOR APPLICATION NUMBER: 60/058,541
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/068,293
PRIOR FILING DATE: 1997-12-19
PRIOR APPLICATION NUMBER: 60/071,682
PRIOR FILING DATE: 1998-01-16
PRIOR APPLICATION NUMBER: 60/076,591
PRIOR FILING DATE: 1998-03-03
PRIOR APPLICATION NUMBER: 60/083,309
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/088,355
PRIOR FILING DATE: 1998-06-05
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 52

TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-152-059-52

Query Match 9.8%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 77;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 655 CAGCTTTGGACAGAG 669
|||||
Db 15 CAGCATTCGACAGAG 1

RESULT 61
US-10-008-029-52/c
Sequence 52, Application US/10008029
Publication No. US20030134808A1
GENERAL INFORMATION:
APPLICANT: WENGEL, JESPER
TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES
FILE REFERENCE: 49165-C2(71994)
CURRENT APPLICATION NUMBER: US/10/008,029
PRIORITY FILING DATE: 2001-11-05
PRIOR APPLICATION NUMBER: 09/152,059
PRIOR FILING DATE: 1998-09-11

PRIOR APPLICATION NUMBER: 60/058,541
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/068,293
PRIOR FILING DATE: 1997-12-19
PRIOR APPLICATION NUMBER: 60/071,682
PRIOR FILING DATE: 1998-01-16
PRIOR APPLICATION NUMBER: 60/076,591
PRIOR FILING DATE: 1998-03-03
PRIOR APPLICATION NUMBER: 60/083,507
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/088,309
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/094,355
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 52
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-008-029-52

Query Match 9.8%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 77;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 655 CAGCTTTGGACAGAG 669
|||||
Db 15 CAGCATTCGACAGAG 1

RESULT 62
US-10-208-650-52/c
Sequence 52, Application US/10208650
Publication No. US20030144231A1
GENERAL INFORMATION:
APPLICANT: WENGEL, JESPER
TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES
FILE REFERENCE: 49165-C2(71994)
CURRENT APPLICATION NUMBER: US/10/208,650
PRIORITY FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US/10/008,029
PRIOR FILING DATE: 2001-11-05
PRIOR APPLICATION NUMBER: 09/152,059
PRIOR FILING DATE: 1998-09-11
PRIOR APPLICATION NUMBER: 60/058,541
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/068,293
PRIOR FILING DATE: 1997-12-19
PRIOR APPLICATION NUMBER: 60/071,682
PRIOR FILING DATE: 1998-01-16
PRIOR APPLICATION NUMBER: 60/076,591
PRIOR FILING DATE: 1998-03-03
PRIOR APPLICATION NUMBER: 60/083,507
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/088,309
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/094,355
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 52
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-208-650-52

Query Match 9.8%; Score 11.8; DB 1; Length 15;
 Best Local Similarity 86.7%; Pred. No. 77;
 Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 655 CAGCTTTGGACAGAG 669
 |||||
 Db 15 CAGCATTCGACAGAG 1

RESULT 63

US-10-440-850-732/c
 ; Sequence 732, Application US/10440850
 ; Publication No. US20030207837A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Jarvis, Thale
 ; APPLICANT: McSwiggen, Jim
 ; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reversal
 ; FILE REFERENCE: 250/130 (MHB00-900-A)
 ; CURRENT APPLICATION NUMBER: US/10/440,850
 ; PRIOR FILING DATE: 2003-05-19
 ; PRIOR APPLICATION NUMBER: US/09/650,012
 ; PRIOR FILING DATE: 2000-08-28
 ; PRIOR APPLICATION NUMBER: US 08/585,684
 ; PRIOR FILING DATE: 1996-01-12
 ; PRIOR APPLICATION NUMBER: US 60/000,951
 ; PRIOR FILING DATE: 1995-07-07
 ; PRIOR APPLICATION NUMBER: US 09/038,073
 ; PRIOR FILING DATE: 1998-03-11
 ; NUMBER OF SEQ ID NOS: 2285
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 732
 ; LENGTH: 15
 ; TYPE: RNA
 ; ORGANISM: Mus musculus
 US-10-440-850-732

Query Match 9.8%; Score 11.8; DB 1; Length 15;
 Best Local Similarity 86.7%; Pred. No. 77;
 Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 740 TGGAGGATTAATGAT 754
 |||||
 Db 15 TGGAGGATTAATGAT 1

RESULT 64

US-09-866-108-7611
 ; Sequence 7611, Application US/09866108
 ; Patent No. US20020048800A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GU, Yizhong
 ; APPLICANT: JI, Yonggang
 ; APPLICANT: PENN, Sharron G.
 ; APPLICANT: HANZEL, David K.
 ; APPLICANT: RANK, David R.
 ; APPLICANT: CHEN, Wensheng
 ; APPLICANT: SHANNON, Mark
 ; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
 ; FILE REFERENCE: AEOMICA-7
 ; CURRENT APPLICATION NUMBER: US/09/866,108
 ; CURRENT FILING DATE: 2001-05-25
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; CURRENT APPLICATION NUMBER: US/09/866,108
 ; CURRENT FILING DATE: 2001-05-25
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: US 60/234,687
 ; PRIOR FILING DATE: 2000-09-21
 ; PRIOR APPLICATION NUMBER: US 60/266,860
 ; PRIOR FILING DATE: 2001-02-05
 ; NUMBER OF SEQ ID NOS: 15752
 ; SOFTWARE: Aecomica Sequence Listing Engine
 ; SEQ ID NO 7611
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-866-108-7611

Query Match 9.8%; Score 11.8; DB 1; Length 17;
 Best Local Similarity 86.7%; Pred. No. 99;
 Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 730 ACCTTTTACCTTGAG 744
 |||||
 Db 3 ACCTGTGACCTTGAG 17

RESULT 65

US-09-866-108-7616
 ; Sequence 7616, Application US/09866108
 ; Patent No. US20020048800A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GU, Yizhong
 ; APPLICANT: JI, Yonggang
 ; APPLICANT: PENN, Sharron G.
 ; APPLICANT: HANZEL, David K.
 ; APPLICANT: RANK, David R.
 ; APPLICANT: CHEN, Wensheng
 ; APPLICANT: SHANNON, Mark
 ; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
 ; FILE REFERENCE: AEOMICA-7
 ; CURRENT APPLICATION NUMBER: US/09/866,108
 ; CURRENT FILING DATE: 2001-05-25
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; CURRENT APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7616
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7616

Query Match 9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 99;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 733 TTTTACCTTGAGGAT 747
DB 1 TGTGACCTTGAGGAT 15

RESULT 66

US-09-866-108-10288
; Sequence 10288, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 7616
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7616

; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 10288
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10288

Query Match 9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 99;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 675 ACTTGCACGGGAAG 689
DB 3 ACTTGCACGGGAAG 17

RESULT 67

US-09-866-108-10291
; Sequence 10291, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 10291
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10291

Query Match 9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 99;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 676 CTTTGACGCGGAAGA 690
DB 1 CTTTGAAACGGAAGA 15

RESULT 68
US-09-989-339-31/c
; Sequence 31, Application US/09989339
; Publication No. US2003008886A1
; GENERAL INFORMATION:
; APPLICANT: Falco, Savario Carl
; APPLICANT: Pamodu, Layo
; APPLICANT: Rafalski, Jan A.
; APPLICANT: Ramaker, Michael
; APPLICANT: Tarczynski, Mitchell C.
; APPLICANT: Thorpe, Catherine
; TITLE OF INVENTION: PLANT METHIONINE SYNTHASE GENE AND METHODS FOR INCREASING THE
; FILE REFERENCE: BB-1067-B
; CURRENT APPLICATION NUMBER: US/09/989,339
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: 08/703,829
; PRIOR FILING DATE: 1996-08-27
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 31
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide
US-09-989-339-31

Query Match 9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 99;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 707 CGAAATTGCTGTGGG 721
DB 15 CCCATTGCTGTGGG 1

RESULT 69
US-09-740-332-1248/c
; Sequence 1248, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1248
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-1248

Query Match 9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 99;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 757 TATGGGTCAAGAAGT 771
DB 16 TCTGGGACAAAGAAGT 2

RESULT 70
US-09-740-332-3307
; Sequence 3307, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 3307
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-3307

Query Match 9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 99;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 757 TATGGGTCAAGAAGT 771
DB 3 UCUGGACAAAGAAGU 17

RESULT 71
US-09-817-879-1248/c
; Sequence 1248, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; FILE REFERENCE: MEHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1248
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-1248

Query Match 9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 99;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 757 TATGGGTCAAGAAGT 771
DB 16 TCTGGGACAAAGAAGT 2

RESULT 72
US-09-817-879-3307
; Sequence 3307, Application US/09817879
; Publication No. US20030171311A1

```
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MH900-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 3307
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3307

Query Match          9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 99;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 757 TATGGTCAAGAGT 771
Db 3 UCUGGACAGAAGU 17

RESULT 73
US-09-927-046-135/c
; Sequence 135, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc
; APPLICANT: McSwiggen, Jim
; APPLICANT: Thompson, Jim
; APPLICANT: McKenzie, Tim
; APPLICANT: Ayers, Dave
; APPLICANT: Grupe, Andrew
; APPLICANT: Szymkowski, Edmund
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chloride Channel-1
; FILE REFERENCE: 249/021
; CURRENT APPLICATION NUMBER: US/09/927,046
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 5450
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 135
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-927-046-135

Query Match          9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 99;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 735 TTACCTTGAGGATTA 749
Db 16 TTACCTGGAGGAGTA 2

RESULT 74
US-09-927-046-686/c
; Sequence 686, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc
; APPLICANT: McSwiggen, Jim
; APPLICANT: Thompson, Jim
; APPLICANT: McKenzie, Tim
; APPLICANT: Ayers, Dave
; APPLICANT: Grupe, Andrew
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; APPLICANT: Szymkowski, Edmund
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chloride Channel-1
; FILE REFERENCE: 249/021
; CURRENT APPLICATION NUMBER: US/09/927,046
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 5450
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 686
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-927-046-686

Query Match          9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 99;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 735 TTACCTTGAGGATTA 749
Db 17 TTACCTGGAGGAGTA 3

RESULT 75
US-09-927-046-687/c
; Sequence 687, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc
; APPLICANT: McSwiggen, Jim
; APPLICANT: Thompson, Jim
; APPLICANT: McKenzie, Tim
; APPLICANT: Ayers, Dave
; APPLICANT: Grupe, Andrew
; APPLICANT: Szymkowski, Edmund
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chloride Channel-1
; FILE REFERENCE: 249/021
; CURRENT APPLICATION NUMBER: US/09/927,046
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 5450
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 687
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-927-046-687

Query Match          9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 99;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 735 TTACCTTGAGGATTA 749
Db 15 TTACCTGGAGGAGTA 1

RESULT 76
US-10-163-552-978
; Sequence 978, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to leveis of nucleic acid
; FILE REFERENCE: MEH01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 978
; LENGTH: 17
```

```
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-978

Query Match          9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 99;
Matches 10; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy      657 GCTTTGACACAGAGG 671
Db      2 GCUUUGUACAGAGUG 16
      |||:|||||
      |||:|||||

RESULT 77
US-10-317-449-52/C
; Sequence 52, Application US/10317449
; Publication No. US20030124608A1
; GENERAL INFORMATION:
; APPLICANT: MORIYA, Shogo
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: SUZUKI, Osamu
; APPLICANT: URAHO, Akihisa
; APPLICANT: ABE, Syuichi
; TITLE OF INVENTION: METHOD FOR DETERMINING CHUM SALMON HAPLOTYPE
; FILE REFERENCE: OPI406
; CURRENT APPLICATION NUMBER: US/10/317,449
; CURRENT FILING DATE: 2002-12-12
; PRIOR APPLICATION NUMBER: JP 2001-379926
; PRIOR FILING DATE: 2001-12-13
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 52
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: capture
US-10-317-449-52

Query Match          9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 99;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      740 TTGAGGATTATTGAT 754
Db      17 TGGAGGTTATTGAT 3
      |||:|||||
      |||:|||||

RESULT 78
US-10-339-793-250
; Sequence 250, Application US/10339793
; Publication No. US20030180764A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: Shang, Jin
; APPLICANT: Bowen, Benjamin
; TITLE OF INVENTION: GENES AFFECTED BY CHOLESTEROL TREATMENT AND DURING ADIPOGENESIS
; FILE REFERENCE: 37-000310US
; CURRENT APPLICATION NUMBER: US/10/339,793
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 443
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 250
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-339-793-250

Query Match          9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 99;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy      689 GATACTGATTGCTGT 703
Db      1 GATCCTGACTGCTGT 15
      |||:|||||
      |||:|||||

RESULT 79
US-10-360-705-15
; Sequence 15, Application US/10360705
; Publication No. US20030215843A1
; GENERAL INFORMATION:
; APPLICANT: ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS
; APPLICANT: POUPON, Raoul
; APPLICANT: HERMELIN, Brigitte
; APPLICANT: ROSMORUC, Olivier
; TITLE OF INVENTION: SCREENING OF A NOVEL HEPATIC SYNDROME AND ITS USES
; FILE REFERENCE: 45636-5064
; CURRENT APPLICATION NUMBER: US/10/360,705
; CURRENT FILING DATE: 2003-02-10
; PRIOR APPLICATION NUMBER: PCT/FR01/02553
; PRIOR FILING DATE: 2001-08-06
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: MDR3-SENS2
US-10-360-705-15

Query Match          9.8%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 99;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      666 AGAGGGTTTACTTTG 680
Db      3 AGAGGGTGTTACTTG 17
      |||:|||||
      |||:|||||

RESULT 80
US-09-875-338-75
; Sequence 75, Application US/09875338
; Patent No. US20020095024A1
; GENERAL INFORMATION:
; APPLICANT: MIKESSELL, GLEN E.
; APPLICANT: CHANG, HAN
; APPLICANT: FINGER, JOSHUA N.
; APPLICANT: YANG, GUCHEN
; APPLICANT: LU, PIN
; APPLICANT: ZHOU, XIA-DI
; APPLICANT: PEACH, ROBERT
; TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
; FILE REFERENCE: 3053-4071US2
; CURRENT APPLICATION NUMBER: US/09/875,338
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 60/272,107
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/209,811
; PRIOR FILING DATE: 2000-06-06
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 75
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-875-338-75

Query Match          9.8%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

QY 703 TACCGAAATTGCTG 717
Db 4 TATCTGAAATTGCTG 18

RESULT 81
US-09-287-599-6/c
; Sequence 6, Application US/09287599
; Patent No. US20020151071A1
; GENERAL INFORMATION:
; APPLICANT: Handelsman, Jo
; APPLICANT: Klimowicz, Amy
; TITLE OF INVENTION: Enterotoxin-Deficient Bacillus
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53703
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/287,599
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Berson, Bennett J
; REGISTRATION NUMBER: 37094
; REFERENCE/DOCKET NUMBER: 960296
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "primer"
US-09-287-599-6

Query Match 9.8%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 680 GCAGCGAAGATGACT 694
Db 18 GCAGCGAAGATAGT 4

RESULT 82
US-10-077-023-75
; Sequence 75, Application US/10077023
; Publication No. US20030031675A1
; GENERAL INFORMATION:
; APPLICANT: MIKESELL, GLEN E.
; APPLICANT: CHANG, HAN
; APPLICANT: FINGER, JOSHUA N.
; APPLICANT: YANG, GUCHEN
; APPLICANT: LU, PIN
; APPLICANT: ZHOU, XIA-DI
; APPLICANT: PEACH, ROBERT
; TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
; TITLE OF INVENTION: IMMUNOMODULATION
; FILE REFERENCE: 3053-4071US3
; CURRENT APPLICATION NUMBER: US/10/077,023

; CURRENT FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 60/272,107
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/209,811
; PRIOR FILING DATE: 2000-06-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 75
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-077-023-75

Query Match 9.8%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 703 TACCGAAATTGCTG 717
Db 4 TATCTGAAATTGCTG 18

RESULT 83
US-10-097-558-7
; Sequence 7, Application US/10097558
; Publication No. US20030103963A1
; GENERAL INFORMATION:
; APPLICANT: CHEUNG, Nai-Kong V.
; TITLE OF INVENTION: USES OF MONOCLONAL ANTIBODY 8H9
; FILE REFERENCE: 638-B
; CURRENT APPLICATION NUMBER: US/10/097,558
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: PCT/US01/32565
; PRIOR FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 60/241,344
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: 60/330,396
; PRIOR FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/982,645
; PRIOR FILING DATE: 2001-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent In version 3.1
; SEQ ID NO 7
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer: EWS 696
; NAME/KEY: primer_bind
; LOCATION: (1)..(18)
; OTHER INFORMATION:
US-10-097-558-7

Query Match 9.8%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 653 AACAGCTTTGGACAG 667
Db 1 AGCAGCTATGGACAG 15

RESULT 84
US-10-349-143-11340/c
; Sequence 11340, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya

US-10-349-143-11340

FILE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CPI
CURRENT APPLICATION NUMBER: US/10/349,143
CURRENT FILING DATE: 2003-01-21
PRIOR APPLICATION NUMBER: US/09/422,978
PRIOR FILING DATE: 1999-10-20
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
SEQ ID NO 11340
LENGTH: 18
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: primer_bind
LOCATION: 1..18
OTHER INFORMATION: downstream amplification primer 99-4332 for SEQ 3475, in complete
US-10-349-143-11340

Query Match 9.8%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 685 GGAGACATCTGATTG 699
Db 17 GGACATCTGATTG 3
|||||

RESULT 85

US-10-349-143-11354/c
Sequence 11354, Application US/10349143
Publication No. US2004000584A1
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
FILE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CPI
CURRENT APPLICATION NUMBER: US/10/349,143
CURRENT FILING DATE: 2003-01-21
PRIOR APPLICATION NUMBER: US/09/422,978
PRIOR FILING DATE: 1999-10-20
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
SEQ ID NO 11354
LENGTH: 18
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: primer_bind
LOCATION: 1..18
OTHER INFORMATION: downstream amplification primer 99-4458 for SEQ 3489, in complete
US-10-349-143-11354

Query Match 9.8%; Score 11.8; DB 1; Length 18;
Best Local Similarity 86.7%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 657 GCTTTGGACACAGGG 671
Db 15 GCTTTGGACACAGGG 1
|||||

RESULT 86

US-09-884-901-16

Sequence 16, Application US/09884901
Patent No. US20020076798A1
GENERAL INFORMATION:
APPLICANT: Miao, Carol
APPLICANT: Kay, Mark
FILE OF INVENTION: Liver-Specific Gene Expression Cassettes, and Methods of Use
FILE REFERENCE: UOFW-1-17396
CURRENT APPLICATION NUMBER: US/09/884,901
CURRENT FILING DATE: 2001-06-18
PRIOR APPLICATION NUMBER: US 60/212,902
PRIOR FILING DATE: 2000-06-20
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patent in version 3.0
SEQ ID NO 16
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: HNF-6 Alternative Hepatic Nuclear Binding Site Consensus Sequence
US-09-884-901-16

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATGATAATA 758
Db 1 ATTATGATAAAA 13
|||||

RESULT 87

US-10-421-491-1/c
Sequence 1, Application US/10421491
Publication No. US20040067503A1
GENERAL INFORMATION:
APPLICANT: Tan, Weihong
APPLICANT: Jin, Shouguang
APPLICANT: Zhao, Xiaojun
APPLICANT: Dytloco, Timothy
APPLICANT: Drake, Timothy
APPLICANT: Hilliard, Lisa
FILE OF INVENTION: FUNCTIONALIZED NANOPARTICLES AND METHODS OF USE
FILE REFERENCE: 5853-252
CURRENT APPLICATION NUMBER: US/10/421,491
CURRENT FILING DATE: 2003-04-22
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patent in version 3.1
SEQ ID NO 1
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Artificially Synthesized Oligonucleotide
US-10-421-491-1

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGATA 755
Db 13 AGGATTATTGTTA 1
|||||

RESULT 88

US-10-191-381-9/c
Sequence 9, Application US/10191381
Publication No. US20030108990A1
GENERAL INFORMATION:
APPLICANT: Bayer AG
FILE OF INVENTION: Method for preparing deletion mutants

FILE REFERENCE: M07285/Lea 35,242
CURRENT APPLICATION NUMBER: US/10/191,381
CURRENT FILING DATE: 2002-07-08
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.1
SEQ ID NO 9
LENGTH: 13
TYPE: DNA
ORGANISM: Sfil-a (pBS-hhn)
US-10-191-381-9

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 91;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 720 GCCCATCTAGACC 732
|||||
DB 13 GCCCATCTAGGCC 1

RESULT 89

US-09-877-478-6534/c
Sequence 6534, Application US/09877478
Publication No. US20030068301A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Morrissey, Jim
APPLICANT: McSwiggen, Jim

TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication

FILE REFERENCE: M07285/Lea 35,242
CURRENT APPLICATION NUMBER: US/09/877,478

CURRENT FILING DATE: 2001-12-31

PRIOR APPLICATION NUMBER: US 07/882,712

PRIOR FILING DATE: 1992-05-14

PRIOR APPLICATION NUMBER: US 09/531,025

PRIOR FILING DATE: 2000-03-20

PRIOR APPLICATION NUMBER: US 09/636,385

PRIOR FILING DATE: 2000-08-09

PRIOR APPLICATION NUMBER: US 09/696,347

PRIOR FILING DATE: 2000-10-24

PRIOR APPLICATION NUMBER: US 08/193,627

PRIOR FILING DATE: 1994-02-07

PRIOR APPLICATION NUMBER: US 08/433,993

PRIOR FILING DATE: 1995-05-04

PRIOR APPLICATION NUMBER: US 08/434,504

PRIOR FILING DATE: 1995-05-04

PRIOR APPLICATION NUMBER: US 09/436,430

PRIOR FILING DATE: 1999-11-08

NUMBER OF SEQ ID NOS: 6586

SOFTWARE: PatentIn version 3.0

SEQ ID NO 6534

LENGTH: 15

TYPE: RNA

ORGANISM: Hepatitis B virus

US-09-877-478-6534

Query Match 9.4%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 91;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 679 TGCAGCGGAAGAT 691
|||||
DB 13 TGCAGCGGAAGAT 1

RESULT 90

US-10-342-902-6534/c

Sequence 6534, Application US/10342902

Publication No. US20040054156A1

GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.

APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: 400/075 (M07285-1)
CURRENT APPLICATION NUMBER: US/10/342,902
CURRENT FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: US 09/877,478
PRIOR FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 09/696,347
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6592
SOFTWARE: PatentIn version 3.2
SEQ ID NO 6534
LENGTH: 15
TYPE: RNA
ORGANISM: Hepatitis B virus
US-10-342-902-6534

Query Match 9.4%; Score 11.4; DB 1; Length 15;

Best Local Similarity 92.3%; Pred. No. 91;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 679 TGCAGCGGAAGAT 691
|||||
DB 13 TGCAGCGGAAGAT 1

RESULT 91

US-10-440-850-731/c

Sequence 731, Application US/10440850

Publication No. US20030207837A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Stinchcomb, Dan

APPLICANT: Jarvis, Thale

APPLICANT: McSwiggen, Jim

TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reve

TITLE OF INVENTION: Immune Responses

FILE REFERENCE: 250/130 (M07285-1)

CURRENT APPLICATION NUMBER: US/10/440,850

CURRENT FILING DATE: 2003-05-19

PRIOR APPLICATION NUMBER: US 09/650,012

PRIOR FILING DATE: 2000-08-28

PRIOR APPLICATION NUMBER: US 08/585,684

PRIOR FILING DATE: 1996-01-12

PRIOR APPLICATION NUMBER: US 60/000,951

PRIOR FILING DATE: 1995-07-07

PRIOR APPLICATION NUMBER: US 09/038,073

PRIOR FILING DATE: 1998-03-11

NUMBER OF SEQ ID NOS: 2285

SOFTWARE: PatentIn version 3.0

SEQ ID NO 731

LENGTH: 15

TYPE: RNA

ORGANISM: Mus musculus

US-10-440-850-731

Query Match 9.4%; Score 11.4; DB 1; Length 15;

Best Local Similarity 92.3%; Pred. No. 91;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 742 GAGGATTATTGAT 754
 |||||
 Db 14 GAGGATAATTGAT 2

RESULT 92

US-10-440-850-855/c
 ; Sequence 855, Application US/10440850
 ; Publication No. US20030207837A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Jarvis, Thale
 ; APPLICANT: McSwiggen, Jim
 ; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reversal
 ; FILE REFERENCE: 250/130 (WBHB00-900-A)
 ; CURRENT APPLICATION NUMBER: US/10/440,850
 ; CURRENT FILING DATE: 2003-05-19
 ; PRIOR APPLICATION NUMBER: US/09/650,012
 ; PRIOR FILING DATE: 2000-08-28
 ; PRIOR APPLICATION NUMBER: US 08/585,684
 ; PRIOR FILING DATE: 1996-01-12
 ; PRIOR APPLICATION NUMBER: US 60/000,951
 ; PRIOR FILING DATE: 1995-07-07
 ; PRIOR APPLICATION NUMBER: US 09/038,073
 ; PRIOR FILING DATE: 1998-03-11
 ; NUMBER OF SEQ ID NOS: 2285
 ; SOFTWARE: Patent in version 3.0
 ; SEQ ID NO 855
 ; LENGTH: 15
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 US-10-440-850-855

Query Match 9.4%; Score 11.4; DB 1; Length 15;
 Best Local Similarity 92.3%; Pred. No. 91;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 698 TGCTGTACCCGAA 710
 |||||
 Db 13 TGCTGTACCCGAA 1

RESULT 93

US-09-866-108-7617
 ; Sequence 7617, Application US/09866108
 ; Patent No. US20020048800A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GU, Yizhong
 ; APPLICANT: JI, Yonggang
 ; APPLICANT: PENN, Sharron G.
 ; APPLICANT: HANZEL, David K.
 ; APPLICANT: RANK, David R.
 ; APPLICANT: CHEN, Wensheng
 ; APPLICANT: SHANNON, Mark
 ; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
 ; FILE REFERENCE: A60MICA-7
 ; CURRENT APPLICATION NUMBER: US/09/866,108
 ; CURRENT FILING DATE: 2001-05-25
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: US 60/234,687
 ; PRIOR FILING DATE: 2000-09-21
 ; PRIOR APPLICATION NUMBER: US 60/266,860
 ; PRIOR FILING DATE: 2001-02-05
 ; NUMBER OF SEQ ID NOS: 15752
 ; SOFTWARE: A60MICA Sequence Listing Engine
 ; SEQ ID NO 7617
 ; LENGTH: 17
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-866-108-7617

Query Match 9.4%; Score 11.4; DB 1; Length 17;
 Best Local Similarity 92.3%; Pred. No. 1.2e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 735 TTACCTTGAGGAT 747
 |||||
 Db 2 TGACCTTGAGGAT 14

RESULT 94

US-09-866-108-7618
 ; Sequence 7618, Application US/09866108
 ; Patent No. US20020048800A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GU, Yizhong
 ; APPLICANT: JI, Yonggang
 ; APPLICANT: PENN, Sharron G.
 ; APPLICANT: HANZEL, David K.
 ; APPLICANT: RANK, David R.
 ; APPLICANT: CHEN, Wensheng
 ; APPLICANT: SHANNON, Mark
 ; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
 ; FILE REFERENCE: A60MICA-7
 ; CURRENT APPLICATION NUMBER: US/09/866,108
 ; CURRENT FILING DATE: 2001-05-25
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661

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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7618
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7618

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 735 TTACCTTGAGGAT 747
Db 1 TCACCTTGAGGAT 13

RESULT 95
US-09-827-998-235/c
; Sequence 235, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 235
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-235

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
Db 15 CTAGACCTTTTAC 3

RESULT 96
US-09-827-998-236/c
; Sequence 236, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 236
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-236

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
Db 15 CTAGACCTTTTAC 3

RESULT 97
US-09-827-998-237/c
; Sequence 237, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 237
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-237

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
Db 15 CTAGACCTTTTAC 3

RESULT 98
US-09-827-998-238/c
; Sequence 238, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 238
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-238

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```



```
Qy 726 CTAGACCTTTTAC 738
Db 14 CTAGAACTTTTAC 2

RESULT 99
US-09-927-998-239/c
; Sequence 239, Application US/09827998
; Patent No. US20020102352A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MOHMOF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Ascomica Sequence Listing Engine
; SEQ ID NO 239
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-239

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 726 CTAGACCTTTTAC 738
Db 13 CTAGAACTTTTAC 1

RESULT 100
US-09-825-805-555
; Sequence 555, Application US/09825805
; Publication No. US20030004122A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka Matulic
; APPLICANT: Sweedler, Dave
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleotides
; FILE REFERENCE: MBH00-831-F (400/009)
; CURRENT APPLICATION NUMBER: US/09/825,805
; CURRENT FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: 09/578,223
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 09/476,387
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: 09/474,432
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/301,511
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/083,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/064,866
; PRIOR FILING DATE: 1997-11-05
; NUMBER OF SEQ ID NOS: 1558
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 555
; LENGTH: 17
; TYPE: RNA
```

```
; ORGANISM: Homo sapiens
US-09-825-805-555

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 69.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 657 GCTTTGGACAGAG 669
Db 4 GCUUUGACAGAG 16

RESULT 101
US-09-942-583-4
; Sequence 4, Application US/09942583
; Publication No. US20030026809A1
; GENERAL INFORMATION:
; APPLICANT: ROBINSON, ANDREW
; APPLICANT: GORRINGE, ANDREW
; APPLICANT: HUDSON, MICHAEL
; APPLICANT: BRACEGIRDLE, PHILLIPA
; APPLICANT: KROLL, JOHN
; APPLICANT: CARTWRIGHT, KEITH
; APPLICANT: WEBB, STEVEN
; APPLICANT: LANGFORD, PAUL
; APPLICANT: REDDIN, KAREN
; APPLICANT: O'DWYER, CLIONA
; TITLE OF INVENTION: NEISSERIAL VACCINE COMPOSITIONS AND METHODS
; FILE REFERENCE: 1581.0840001
; CURRENT APPLICATION NUMBER: US/09/942,583
; CURRENT FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: PCT/GB00/00624
; PRIOR FILING DATE: 2000-02-22
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: PCR PRIMER
US-09-942-583-4

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 653 AACAGCTTTGGAC 665
Db 1 AACAGCTATGGAC 13

RESULT 102
US-09-942-583-8
; Sequence 8, Application US/09942583
; Publication No. US20030026809A1
; GENERAL INFORMATION:
; APPLICANT: ROBINSON, ANDREW
; APPLICANT: GORRINGE, ANDREW
; APPLICANT: HUDSON, MICHAEL
; APPLICANT: BRACEGIRDLE, PHILLIPA
; APPLICANT: KROLL, JOHN
; APPLICANT: CARTWRIGHT, KEITH
; APPLICANT: WEBB, STEVEN
; APPLICANT: LANGFORD, PAUL
; APPLICANT: REDDIN, KAREN
; APPLICANT: O'DWYER, CLIONA
; TITLE OF INVENTION: NEISSERIAL VACCINE COMPOSITIONS AND METHODS
; FILE REFERENCE: 1581.0840001
; CURRENT APPLICATION NUMBER: US/09/942,583
; CURRENT FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: PCT/GB00/00624
; PRIOR FILING DATE: 2000-02-22
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; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQUENCING PRIMER
US-09-942-583-8

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      653 AACAGCTTTGGAC 665
Db      1 AACAGCTATGGAC 13

RESULT 103
US-09-730-289B-103/c
; Sequence 103, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MEH00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 103
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-103

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      724 ATCTAGACCTTTT 736
Db      14 ATCTTGACCTTTT 2

RESULT 104
US-09-730-289B-835/c
; Sequence 835, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MEH00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 835
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-835

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      724 ATCTAGACCTTTT 736
Db      14 ATCTTGACCTTTT 2

RESULT 105
US-09-730-289B-1081/c
; Sequence 1081, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MEH00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1081
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-1081

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      724 ATCTAGACCTTTT 736
Db      17 ATCTTGACCTTTT 5

RESULT 106
US-09-780-533A-185
; Sequence 185, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowirra, Bharat
; APPLICANT: Haeblerli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MEH00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 185
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-185

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 69.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      685 GGAGATATCTGAT 697
Db      2 GGAGAGUAGUAAU 14

RESULT 107
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US-09-780-533A-1893
; Sequence 1893, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowirika, Bharat
; APPLICANT: Haerberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MEHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1893
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-1893

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 69.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      685 GGAAGATACTGAT 697
DB      1 GGAAGAUAGUGAU 13

RESULT 108
US-09-780-533A-2150
; Sequence 2150, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowirika, Bharat
; APPLICANT: Haerberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MEHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2150
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-2150

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 69.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      685 GGAAGATACTGAT 697
DB      4 GGAAGAUAGUGAU 16

RESULT 109
US-09-780-533A-2488
; Sequence 2488, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim

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; APPLICANT: Chowirika, Bharat
; APPLICANT: Haerberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MEHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2488
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-2488

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 69.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      685 GGAAGATACTGAT 697
DB      5 GGAAGAUAGUGAU 17

RESULT 110
US-09-780-478-115/c
; Sequence 115, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MEHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 115
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-115

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      679 TGCAGCGGAGAT 691
DB      17 TGCAGGAGAGAT 5

RESULT 111

```

US-09-877-478-116/c
; Sequence 116, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 116
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-116

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 679 TGCAGCGGAAGAT 691
|||||
DB 16 TGCAGAGGAAGAT 4

RESULT 112
US-09-877-478-117/c
; Sequence 117, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 117
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-117

US-09-877-478-389/c
; Sequence 389, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 389
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-389

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCT 740
|||||
DB 17 AGACCTTTTACCT 5

RESULT 114
US-09-877-478-390/c
; Sequence 390, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

RESULT 115
US-09-877-478-804/c
; Sequence 804, Application US/09877478
; Publication No. US2003068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwisgen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBH900-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0

```

RESULT 117
US-09-877-478-2371/c
; Sequence 2371, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication

```

```
; FILE REFERENCE: MBH00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2371
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-2371
```

```
Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 728 AGACCTTTTAACT 740
Db 13 AGACCTTTTAACT 1
```

```
RESULT 118
US-09-848-754A-1856/c
; Sequence 1856, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1856
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-1856
```

```
Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 677 TTTCGACGGGAG 689
Db 17 TTTCGAGTGGAG 5
```

```
RESULT 119
US-09-848-754A-1857/c
; Sequence 1857, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBH00-958-I (400/018)
```

```
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1857
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-1857
```

```
Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 677 TTTCGACGGGAG 689
Db 16 TTTCGAGTGGAG 4
```

```
RESULT 120
US-09-848-754A-1858/c
; Sequence 1858, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1858
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-1858
```

```
Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 677 TTTCGACGGGAG 689
Db 14 TTTCGAGTGGAG 2
```

```
RESULT 121
US-09-848-754A-2631/c
; Sequence 2631, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2631
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2631
```

```
Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 677 TTTCGACGGGAG 689
Db 13 TTTCGAGTGGAG 1
```

RESULT 122

US-10-453-792-195/c
; Sequence 195, Application US/10453792
; Publication No. US20040029110A1
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; MAERTENS, GEERT
; TITLE OF INVENTION: METHOD FOR TYPING AND DETECTING HBV
; NUMBER OF SEQUENCES: 313
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHUYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION NUMBER: US/10/453,792
; FILING DATE: 04-Jun-2003
; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US/09/155,885A
; FILING DATE: 08-Oct-1998
; APPLICATION NUMBER: PCT/EP97/02002
; FILING DATE: 21-Apr-1997
; APPLICATION NUMBER: EP 96870053.4
; FILING DATE: 19-Apr-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 2551-5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 195:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 195:

US-10-453-792-195

US-10-453-792-195

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e-02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 728 AGACCTTTTAACT 740

Db 13 AGACCTTTTAACT 1

RESULT 123

US-10-453-792-197/c
; Sequence 197, Application US/10453792
; Publication No. US20040029110A1
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; MAERTENS, GEERT
; TITLE OF INVENTION: METHOD FOR TYPING AND DETECTING HBV
; NUMBER OF SEQUENCES: 313

CORRESPONDENCE ADDRESS:

ADDRESSEE: NIXON & VANDERHUYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION NUMBER: US/10/453,792
FILING DATE: 04-Jun-2003
CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/09/155,885A
FILING DATE: 08-Oct-1998
APPLICATION NUMBER: PCT/EP97/02002
FILING DATE: 21-Apr-1997
APPLICATION NUMBER: EP 96870053.4
FILING DATE: 19-Apr-1996
ATTORNEY/AGENT INFORMATION:
NAME: SADOFF, B.J.
REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 2551-5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 197:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 197:

US-10-453-792-197

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e-02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 728 AGACCTTTTAACT 740

Db 15 AGACCTTTTAACT 3

RESULT 124

US-10-342-902-115/c
; Sequence 115, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MHB00-845-1)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIORITY APPLICATION NUMBER: US 09/877,478
; PRIORITY FILING DATE: 2001-06-08
; PRIORITY APPLICATION NUMBER: US 09/531,025
; PRIORITY FILING DATE: 2000-03-20
; PRIORITY APPLICATION NUMBER: US 09/636,385
; PRIORITY FILING DATE: 2000-08-09
; PRIORITY APPLICATION NUMBER: US 09/696,347
; PRIORITY FILING DATE: 2000-10-24

; PRIOR APPLICATION NUMBER: US 08/193,627
 ; PRIOR FILING DATE: 1994-02-07
 ; PRIOR APPLICATION NUMBER: US 07/882,712
 ; PRIOR FILING DATE: 1992-05-14
 ; PRIOR APPLICATION NUMBER: US 09/436,430
 ; PRIOR FILING DATE: 1999-11-08
 ; NUMBER OF SEQ ID NOS: 6592
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 115
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Hepatitis B virus
 US-10-342-902-115

Query Match 9.4%; Score 11.4; DB 1; Length 17;

Best Local Similarity 92.3%; Pred. No. 1.2e-02; Indels 0; Gaps 0; Mismatches 1; Conservative 0;

QY 679 TGCAGCGGAAGAT 691

Db 17 TGCAGAGGAAGAT 5

RESULT 125

US-10-342-902-116/c
 ; Sequence 116, Application US/10342902
 ; Publication No. US20040054156A1
 ; GENERAL INFORMATION:

; APPLICANT: Sirna Therapeutics, Inc.
 ; APPLICANT: Blatt, Larry
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Morrissey, Dave
 ; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
 ; FILE REFERENCE: 400/075 (MEHB00-845-I)
 ; CURRENT APPLICATION NUMBER: US/10/342,902
 ; CURRENT FILING DATE: 2003-01-15
 ; PRIOR APPLICATION NUMBER: US 09/877,478
 ; PRIOR FILING DATE: 2001-06-08
 ; PRIOR APPLICATION NUMBER: US 09/531,025
 ; PRIOR FILING DATE: 2000-03-20
 ; PRIOR APPLICATION NUMBER: US 09/636,385
 ; PRIOR FILING DATE: 2000-08-09
 ; PRIOR APPLICATION NUMBER: US 09/696,347
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 08/193,627
 ; PRIOR FILING DATE: 1994-02-07
 ; PRIOR APPLICATION NUMBER: US 07/882,712
 ; PRIOR FILING DATE: 1992-05-14
 ; PRIOR APPLICATION NUMBER: US 09/436,430
 ; PRIOR FILING DATE: 1999-11-08
 ; NUMBER OF SEQ ID NOS: 6592
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 116
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Hepatitis B virus
 US-10-342-902-116

Query Match 9.4%; Score 11.4; DB 1; Length 17;

Best Local Similarity 92.3%; Pred. No. 1.2e-02; Indels 0; Gaps 0; Mismatches 1; Conservative 0;

QY 679 TGCAGCGGAAGAT 691

Db 16 TGCAGAGGAAGAT 4

RESULT 126

US-10-342-902-117/c
 ; Sequence 117, Application US/10342902
 ; Publication No. US20040054156A1
 ; GENERAL INFORMATION:

; APPLICANT: Sirna Therapeutics, Inc.
 ; APPLICANT: Draper, Kenneth
 ; APPLICANT: Blatt, Larry
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Morrissey, Dave
 ; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
 ; FILE REFERENCE: 400/075 (MEHB00-845-I)
 ; CURRENT APPLICATION NUMBER: US/10/342,902
 ; CURRENT FILING DATE: 2003-01-15
 ; PRIOR APPLICATION NUMBER: US 09/877,478
 ; PRIOR FILING DATE: 2001-06-08
 ; PRIOR APPLICATION NUMBER: US 09/531,025
 ; PRIOR FILING DATE: 2000-03-20
 ; PRIOR APPLICATION NUMBER: US 09/636,385
 ; PRIOR FILING DATE: 2000-08-09
 ; PRIOR APPLICATION NUMBER: US 09/696,347
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 08/193,627
 ; PRIOR FILING DATE: 1994-02-07
 ; PRIOR APPLICATION NUMBER: US 07/882,712
 ; PRIOR FILING DATE: 1992-05-14
 ; PRIOR APPLICATION NUMBER: US 09/436,430
 ; PRIOR FILING DATE: 1999-11-08
 ; NUMBER OF SEQ ID NOS: 6592
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 117
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Hepatitis B virus
 US-10-342-902-117

Query Match 9.4%; Score 11.4; DB 1; Length 17;

Best Local Similarity 92.3%; Pred. No. 1.2e-02; Indels 0; Gaps 0; Mismatches 1; Conservative 0;
 Matches 12;

QY 679 TGCAGCGGAAGAT 691

Db 13 TGCAGAGGAAGAT 1

RESULT 127

US-10-342-902-389/c

Sequence 389, Application US/10342902

Publication No. US20040054156A1

GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.

APPLICANT: Draper, Kenneth

APPLICANT: Blatt, Larry

APPLICANT: McSwiggen, Jim

APPLICANT: Morrissey, Dave

TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication

FILE REFERENCE: 400/075 (MEHB00-845-I)

CURRENT APPLICATION NUMBER: US/10/342,902

CURRENT FILING DATE: 2003-01-15

PRIOR APPLICATION NUMBER: US 09/877,478

PRIOR FILING DATE: 2001-06-08

PRIOR APPLICATION NUMBER: US 09/531,025

PRIOR FILING DATE: 2000-03-20

PRIOR APPLICATION NUMBER: US 09/636,385

PRIOR FILING DATE: 2000-08-09

PRIOR APPLICATION NUMBER: US 09/696,347

PRIOR FILING DATE: 2000-10-24

PRIOR APPLICATION NUMBER: US 08/193,627

PRIOR FILING DATE: 1994-02-07

PRIOR APPLICATION NUMBER: US 07/882,712

PRIOR FILING DATE: 1992-05-14

PRIOR APPLICATION NUMBER: US 09/436,430

PRIOR FILING DATE: 1999-11-08

NUMBER OF SEQ ID NOS: 6592

SOFTWARE: PatentIn version 3.2

SEQ ID NO 117

LENGTH: 17

TYPE: RNA

ORGANISM: Hepatitis B virus

US-10-342-902-117

Query Match 9.4%; Score 11.4; DB 1; Length 17;

Best Local Similarity 92.3%; Pred. No. 1.2e-02; Indels 0; Gaps 0; Mismatches 1; Conservative 0;

Matches 12;

QY 679 TGCAGCGGAAGAT 691

Db 13 TGCAGAGGAAGAT 1

RESULT 127

US-10-342-902-389/c

Sequence 389, Application US/10342902

Publication No. US20040054156A1

GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.

APPLICANT: Draper, Kenneth

APPLICANT: Blatt, Larry

APPLICANT: McSwiggen, Jim

APPLICANT: Morrissey, Dave

TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication

FILE REFERENCE: 400/075 (MEHB00-845-I)

CURRENT APPLICATION NUMBER: US/10/342,902

CURRENT FILING DATE: 2003-01-15

PRIOR APPLICATION NUMBER: US 09/877,478

PRIOR FILING DATE: 2001-06-08

PRIOR APPLICATION NUMBER: US 09/531,025

PRIOR FILING DATE: 2000-03-20

PRIOR APPLICATION NUMBER: US 09/636,385

PRIOR FILING DATE: 2000-08-09

PRIOR APPLICATION NUMBER: US 09/696,347

PRIOR FILING DATE: 2000-10-24

PRIOR APPLICATION NUMBER: US 08/193,627

PRIOR FILING DATE: 1994-02-07

PRIOR APPLICATION NUMBER: US 07/882,712

PRIOR FILING DATE: 1992-05-14

PRIOR APPLICATION NUMBER: US 09/436,430

PRIOR FILING DATE: 1999-11-08

NUMBER OF SEQ ID NOS: 6592

SOFTWARE: PatentIn version 3.2

SEQ ID NO 389

LENGTH: 17

TYPE: RNA


```
; ORGANISM: Hepatitis B virus
US-10-342-902-389

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      728 AGACCTTTTAACT 740
Db      17 AGACCTTTTAACT 5

RESULT 128
US-10-342-902-390/c
; Sequence 390, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: Draper, Kenneth
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 390
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-390

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      728 AGACCTTTTAACT 740
Db      16 AGACCTTTTAACT 4

RESULT 129
US-10-342-902-804/c
; Sequence 804, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
```

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; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 804
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-804

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      679 TGCAGCGGAAGAT 691
Db      15 TGCAGCGGAAGAT 3

RESULT 130
US-10-342-902-805/c
; Sequence 805, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 805
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-805

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      679 TGCAGCGGAAGAT 691
Db      14 TGCAGCGGAAGAT 2
```

RESULT 131
US-10-342-902-2371/c
; Sequence 2371, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggan, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (WBHB00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 2371
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-2371

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCT 740
Db ||||| ||||| |||||

RESULT 132
US-10-675-685-235/c
; Sequence 235, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 235
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-235

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
Db ||||| ||||| |||||

RESULT 133
US-10-675-685-236/c
; Sequence 236, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 236
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-236

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
Db ||||| ||||| |||||

RESULT 134
US-10-675-685-237/c
; Sequence 237, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 237
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-237

Query Match 9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
Db ||||| ||||| |||||

RESULT 135
US-10-675-685-238/c
; Sequence 238, Application US/10675685
; Publication No. US20040063134A1

```
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 238
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-238

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
DB 14 CTAGACTTTTAC 2

RESULT 136
US-10-675-685-239/c
; Sequence 239, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 239
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-239

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
DB 14 CTAGACTTTTAC 2

RESULT 137
US-10-163-552-977
; Sequence 977, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, Jim
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
; TITLE OF INVENTION: HBR2
; FILE REFERENCE: MEH01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
```

```
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 977
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-977

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 69.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 657 GCTTTGGACAGAG 669
DB 4 GCUUGUACAGAG 16

RESULT 138
US-10-003-354-4/c
; Sequence 4, Application US/10003354
; Publication No. US20030114400A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHATIDYLINOSITOL-4-PHOSPHATE 5-KINASE
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: RTS-0348
; CURRENT APPLICATION NUMBER: US/10/003,354
; CURRENT FILING DATE: 2001-12-06
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 4
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-10-003-354-4

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 715 CTGTGGGCCATCT 727
DB 16 CTGTGGGCCACCT 4

RESULT 139
US-10-257-124-3
; Sequence 3, Application US/10257124
; Publication No. US20030148331A1
; GENERAL INFORMATION:
; APPLICANT: SHANGHAI CANCER INSTITUTE
; TITLE OF INVENTION: A NOVEL HUMAN HEPATOMA ASSOCIATED PROTEIN AND THE POLYNUCLEOTIDE
; TITLE OF INVENTION: SAID POLYPEPTIDE
; FILE REFERENCE: 001465pcwo
; CURRENT APPLICATION NUMBER: US/10/257,124
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: CN 00115401.X
; PRIOR FILING DATE: 2000-04-17
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Synthetic primer
US-10-257-124-3

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 714 GCTGTGGGCCATC 726
DB 16 GCTGTGGGCCATC 726
```

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Db      1  GCAGTGGGCATC 13

RESULT 140
US-10-061-201-366
; Sequence 366, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 366
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-366

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTTAC 676
      |||||
Db      5  ACAGAGGGTTTC 17

RESULT 141
US-10-061-201-367
; Sequence 367, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 366
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-367

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTTAC 676
      |||||
Db      5  ACAGAGGGTTTC 17

RESULT 142
US-10-061-201-368
; Sequence 368, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 368
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-368

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTTAC 676
      |||||
Db      3  ACAGAGGGTTTC 15

RESULT 143
US-10-061-201-369
```

```
; Sequence 369, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 369
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-369

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

; Sequence 370, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 369
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-369

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

; Sequence 369, Application US/60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 370
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-370

Query Match          9.4%; Score 11.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTTAC 676
Db      1 ACAGAGGGTTTTC 13

RESULT 145
US-09-137-531-3
; Sequence 3, Application US/09137531
; Patent No. US2002004816A1
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Expression of surface layer proteins
; NUMBER OF SEQUENCES: 25
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/137,531
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/682,517
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-137-531-3

Query Match          9.3%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      746 ATTATTCGATATATGG 761
Db      1 ATTATTCGAGATAGG 16

RESULT 146
US-10-134-655-14/c
; Sequence 14, Application US/10134655
; Publication No. US20030162271A1
; GENERAL INFORMATION:
; APPLICANT: ZHANG, MIN
; APPLICANT: CHOU, YAT-CHEN
; APPLICANT: HOWE, WILLIAM
; APPLICANT: EDDY, CHRIS
; APPLICANT: EVANS, KENT
; APPLICANT: MOHAGHEGHI, ALI
; TITLE OF INVENTION: ZYMONONAS PENTOSE-SUGAR FERMENTING STRAINS AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 401609
; CURRENT APPLICATION NUMBER: US/10/134,655
; CURRENT FILING DATE: 2002-04-27
```

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/ PRIOR APPLICATION NUMBER: 09/565,233
/ PRIOR FILING DATE: 2000-05-01
/ PRIOR APPLICATION NUMBER: PCT/US01/11334
/ PRIOR FILING DATE: 2001-04-06
/ NUMBER OF SEQ ID NOS: 33
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 14
/ LENGTH: 16
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-134-655-14

Query Match          9.3%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 720 GCCCATCTAGACCTTT 735
Db 16 GCCCGCTAGGCTTT 1

RESULT 147
US-10-322-138-82/c
/ Sequence 82, Application US/10322138
/ Publication No. US20030175765A1
/ GENERAL INFORMATION:
/ APPLICANT: Kessler, Christoph
/ APPLICANT: Haberhausen, Gerd
/ APPLICANT: Bartl, Knut
/ APPLICANT: Orum, Henrik
/ TITLE OF INVENTION: SPECIFIC AND SENSITIVE METHOD FOR DETECTING NUCLEIC ACIDS
/ CURRENT APPLICATION NUMBER: US/10/322,138
/ CURRENT FILING DATE: 2002-12-17
/ PRIOR APPLICATION NUMBER: US/09/530,746B
/ PRIOR FILING DATE: 2000-11-16
/ NUMBER OF SEQ ID NOS: 95
/ SOFTWARE: PatentIn Version 3.1
/ SEQ ID NO 82
/ LENGTH: 16
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: probe
US-10-322-138-82

Query Match          9.3%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 741 TGAGGATTATTGATAA 756
Db 16 TGAGGATTCTTGTCAA 1

RESULT 148
US-09-866-108-2289/c
/ Sequence 2289, Application US/09866108
/ Patent No. US20020048800A1
/ GENERAL INFORMATION:
/ APPLICANT: GU, Yizhong
/ APPLICANT: JI, Yonggang
/ APPLICANT: PENN, Sharron G.
/ APPLICANT: HANZEL, David K.
/ APPLICANT: RANK, David R.
/ APPLICANT: CHEN, Wensheng
/ APPLICANT: SHANNON, Mark
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
/ FILE REFERENCE: AEOMICA-7
/ CURRENT APPLICATION NUMBER: US/09/866,108
/ CURRENT FILING DATE: 2001-05-25
```

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/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 60/266,860
/ PRIOR FILING DATE: 2001-02-05
/ NUMBER OF SEQ ID NOS: 15752
/ SOFTWARE: Aeomica Sequence Listing Engine
/ SEQ ID NO 2289
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-866-108-2289

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 716 TGTGGCCATCTAGAC 731
Db 17 TGTGGCCATGGACAC 2

RESULT 149
US-09-866-108-7191
/ Sequence 7191, Application US/09866108
/ Patent No. US20020048800A1
/ GENERAL INFORMATION:
/ APPLICANT: GU, Yizhong
/ APPLICANT: JI, Yonggang
/ APPLICANT: PENN, Sharron G.
/ APPLICANT: HANZEL, David K.
/ APPLICANT: RANK, David R.
/ APPLICANT: CHEN, Wensheng
/ APPLICANT: SHANNON, Mark
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
/ FILE REFERENCE: AEOMICA-7
/ CURRENT APPLICATION NUMBER: US/09/866,108
/ CURRENT FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
```

; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 7191
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7191

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 726 CTGACCTTTTACCTT 741
Db 2 CTGACCTCTGACCTT 17

RESULT 150
US-09-866-108-7193
; Sequence 7193, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEWICA-7
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 7193
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7193

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 727 TAGACCTTTTACCTTG 742
Db 1 TTGACCTCTGACCTTG 16

RESULT 151
US-09-866-108-7619
; Sequence 7619, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEWICA-7
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05


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/ Patent No. US20020048800A1
/ GENERAL INFORMATION:
/ APPLICANT: GU, Yizhong
/ APPLICANT: JI, Yongsang
/ APPLICANT: PENN, Sharon G.
/ APPLICANT: HANZEL, David K.
/ APPLICANT: RANK, David R.
/ APPLICANT: CHEN, Wensheng
/ APPLICANT: SHANNON, Mark
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
/ FILE REFERENCE: A60MICA-7
/ CURRENT APPLICATION NUMBER: US/09/866,108
/ CURRENT FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 60/266,860
/ PRIOR FILING DATE: 2001-02-05
/ NUMBER OF SEQ ID NOS: 15752
/ SOFTWARE: A60MICA Sequence Listing Engine
/ SEQ ID NO 10051
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-09-866-108-10051

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 719 GGGCCATCTAGACCTT 734
Db 1 GGGCTGTCCAGACCTT 16

RESULT 155
US-09-416-384A-13/c
/ Sequence 13, Application US/09416384A
/ Patent No. US20020081584A1
/ GENERAL INFORMATION:
/ APPLICANT: BLUMENFELD, Marta
/ APPLICANT: BOUGUELERET, Lydie
/ APPLICANT: CHUMAKOV, Ilva
/ APPLICANT: COHEN, Daniel
/ APPLICANT: ESSIOUX, Laurent
/ TITLE OF INVENTION: Genes, proteins and biallelic markers related to central...
/ FILE REFERENCE: GENSET.04SAUS
/ CURRENT FILING DATE: 1999-10-12

Patent No. US20020048800A1
/ GENERAL INFORMATION:
/ APPLICANT: GU, Yizhong
/ APPLICANT: JI, Yongsang
/ APPLICANT: PENN, Sharon G.
/ APPLICANT: HANZEL, David K.
/ APPLICANT: RANK, David R.
/ APPLICANT: CHEN, Wensheng
/ APPLICANT: SHANNON, Mark
/ TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
/ FILE REFERENCE: A60MICA-7
/ CURRENT APPLICATION NUMBER: US/09/866,108
/ CURRENT FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 60/266,860
/ PRIOR FILING DATE: 2001-02-05
/ NUMBER OF SEQ ID NOS: 15752
/ SOFTWARE: A60MICA Sequence Listing Engine
/ SEQ ID NO 10051
/ LENGTH: 17
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-09-866-108-10051

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 719 GGGCCATCTAGACCTT 734
Db 1 GGGCTGTCCAGACCTT 16

RESULT 155
US-09-416-384A-13/c
/ Sequence 13, Application US/09416384A
/ Patent No. US20020081584A1
/ GENERAL INFORMATION:
/ APPLICANT: BLUMENFELD, Marta
/ APPLICANT: BOUGUELERET, Lydie
/ APPLICANT: CHUMAKOV, Ilva
/ APPLICANT: COHEN, Daniel
/ APPLICANT: ESSIOUX, Laurent
/ TITLE OF INVENTION: Genes, proteins and biallelic markers related to central...
/ FILE REFERENCE: GENSET.04SAUS
/ CURRENT FILING DATE: 1999-10-12

CURRENT APPLICATION NUMBER: US/09/416,384A
PRIOR APPLICATION NUMBER: 60/106,457
PRIOR FILING DATE: 1999-10-30
PRIOR APPLICATION NUMBER: 60/103,955
PRIOR FILING DATE: 1998-10-12
PRIOR APPLICATION NUMBER: 60/132,277
PRIOR FILING DATE: 1999-05-03
NUMBER OF SEQ ID NOS: 71
SOFTWARE: Patent.pm
SEQ ID NO 13
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: oligonucleotide g7:3RACE5R-49
US-09-416-384A-13

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 692 ACTGATTGCTGTACCC 707
Db 16 AATGATTGCTATGCC 1

RESULT 156
US-09-961-077-47/c
/ Sequence 47, Application US/09961077
/ Publication No. US20030014775A1
/ GENERAL INFORMATION:
/ APPLICANT: Zwick, Michael G.
/ Edington, Brent E.
/ McSwiggen, James A.
/ Merlo, Patricia Ann Owens
/ Guo, Lining
/ Skokut, Thomas A.
/ Young, Scott A.
/ Folkerts, Otto
/ Merlo, Donald J.
/ TITLE OF INVENTION: COMPOSITION AND METHODS FOR
/ MODULATION OF GENE EXPRESSION
/ IN PLANTS
/ NUMBER OF SEQUENCES: 1263
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071-2066
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: Word Perfect 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/961,077
/ FILING DATE: 21-Sep-2001
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/679,645
/ FILING DATE: July 12, 1996
/ APPLICATION NUMBER: 60/001,135
/ FILING DATE: July 13, 1995
/ APPLICATION NUMBER: 08/300,726
/ FILING DATE: September 2, 1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 219/247
```

TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 47:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 47:

US-09-961-077-47

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 681 CAGCGGAGAACTGCA 696

Db 17 CAGTGAAGAACCTGA 2

RESULT 157

US-09-961-077-49/c

Sequence 49, Application US/09961077

Publication No. US20030014775A1

GENERAL INFORMATION:

APPLICANT: Zwick, Michael G.

Edington, Brent E.

McSwiggen, James A.

Merlo, Patricia Ann Owens

Guo, Lining

Skokut, Thomas A.

Young, Scott A.

Folkerts, Otto

Merlo, Donald J.

TITLE OF INVENTION: COMPOSITION AND METHODS FOR
MODULATION OF GENE EXPRESSION
IN PLANTS

NUMBER OF SEQUENCES: 1263

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/961,077

FILING DATE: 21-Sep-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/679,645

FILING DATE: July 12, 1996

APPLICATION NUMBER: 60/001,135

FILING DATE: July 13, 1995

APPLICATION NUMBER: 08/300,726

FILING DATE: September 2, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 219/247

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 49:
US-09-961-077-49

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 680 GCAGCGGAGAACTGCTG 695

Db 16 GCAGTGAAGAACCTG 1

RESULT 158

US-09-730-289B-729/c

Sequence 729, Application US/09730289B

Publication No. US20030050259A1

GENERAL INFORMATION:

APPLICANT: Ribozyne Pharmaceuticals, Inc.

APPLICANT: Blatt, Larry

APPLICANT: McSwiggen, Jim

TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease

FILE REFERENCE: MEHB00-864-A (400/506)

CURRENT APPLICATION NUMBER: US/09/730,289B

CURRENT FILING DATE: 2000-12-05

PRIOR APPLICATION NUMBER: US 60/169,100

PRIOR FILING DATE: 1999-12-06

NUMBER OF SEQ ID NOS: 3897

SOFTWARE: Patent in version 3.0

SEQ ID NO 729

LENGTH: 17

TYPE: RNA

ORGANISM: Homo sapiens

MODULATION OF GENE EXPRESSION

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 735 TTACTTTGAGGATAT 750

Db 17 TTACTTTGAGGATAT 2

RESULT 159

US-09-730-289B-873/c

Sequence 873, Application US/09730289B

Publication No. US20030050259A1

GENERAL INFORMATION:

APPLICANT: Ribozyne Pharmaceuticals, Inc.

APPLICANT: Blatt, Larry

APPLICANT: McSwiggen, Jim

TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease

FILE REFERENCE: MEHB00-864-A (400/506)

CURRENT APPLICATION NUMBER: US/09/730,289B

CURRENT FILING DATE: 2000-12-05

PRIOR APPLICATION NUMBER: US 60/169,100

PRIOR FILING DATE: 1999-12-06

NUMBER OF SEQ ID NOS: 3897

SOFTWARE: Patent in version 3.0

SEQ ID NO 873

LENGTH: 17

TYPE: RNA

ORGANISM: Homo sapiens

MODULATION OF GENE EXPRESSION

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;

```

Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 756 ATATGGGTCAAGAACT 771
DB 16 AGATGGCCCAACAAGT 1

RESULT 160
US-09-730-289B-1123/C
; Sequence 1123, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MHB00-854-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1123
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-1123

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 756 ATATGGGTCAAGAACT 771
DB 17 AGATGGCCCAACAAGT 2

RESULT 161
US-09-780-533A-723
; Sequence 723, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haerberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 723
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-723

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 43.8%; Pred. No. 1.3e+02;
Matches 7; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

QY 672 TTTACTTTGCAGCGGA 687
DB 2 UUUACUUUGUCGAGA 17

RESULT 162
US-09-780-533A-2084
; Sequence 2084, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haerberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2084
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-2084

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 43.8%; Pred. No. 1.3e+02;
Matches 7; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

QY 672 TTTACTTTGCAGCGGA 687
DB 1 UUUACUUUGUCGAGA 16

RESULT 163
US-09-780-533A-2474
; Sequence 2474, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haerberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2474
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-2474

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.3e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 678 TTGCAGCGCAAGATAC 693
DB 2 UUGCAGUGGAAGCUCC 17

RESULT 164
US-09-877-478-1776
; Sequence 1776, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim

```

APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MEH00-845-H (400/029)
CURRENT APPLICATION NUMBER: US/09/877,478
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 09/696,347
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 08/433,993
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1776
LENGTH: 17
TYPE: RNA
ORGANISM: Hepatitis B virus
US-09-877-478-1776

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.3e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAAGAA 769
|||:|||||
Db 1 URAUAUGGCCUAAAA 16

RESULT 165
US-09-877-478-2416
Sequence 2416, Application US/09877478
Publication No. US20030068301A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwisgen, Jim
APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MEH00-845-H (400/029)
CURRENT APPLICATION NUMBER: US/09/877,478
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 09/696,347
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 08/433,993
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2416
LENGTH: 17
TYPE: RNA

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.3e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAAGAA 769
|||:|||||
Db 1 URAUAUGGCCUAAAA 16

RESULT 166
US-09-848-754A-153/c
Sequence 153, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
FILE REFERENCE: MEH00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 153
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-848-754A-153

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 757 TATGGTCAAGAGTC 772
|||||
Db 17 TATGTGTGAAGGAGTC 2

RESULT 167
US-09-848-754A-154/c
Sequence 154, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
FILE REFERENCE: MEH00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 154
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-848-754A-154

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 757 TATGGTCAAGAGTC 772
|||||
Db 16 TATGTGTGAAGGAGTC 1

RESULT 168
US-09-848-754A-553/c
Sequence 553, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:

ORGANISM: Hepatitis B virus
US-09-877-478-2416

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.3e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAAGAA 769
|||:|||||
Db 2 URAUAUGGCCUAAAA 17

RESULT 166
US-09-848-754A-153/c
Sequence 153, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
FILE REFERENCE: MEH00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 153
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-848-754A-153

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 757 TATGGTCAAGAGTC 772
|||||
Db 17 TATGTGTGAAGGAGTC 2

RESULT 167
US-09-848-754A-154/c
Sequence 154, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
FILE REFERENCE: MEH00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 154
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-848-754A-154

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 757 TATGGTCAAGAGTC 772
|||||
Db 16 TATGTGTGAAGGAGTC 1

RESULT 168
US-09-848-754A-553/c
Sequence 553, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:

```

; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; FILE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 553
; TYPE: RNA
; LENGTH: 17
; ORGANISM: Homo sapiens
US-09-848-754A-553

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 719 GGGCCATCTAGACCTT 734
Db 17 GGGCCATGAAGGCCTT 2

RESULT 169
US-09-848-754A-554/c
; Sequence 554, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; FILE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 554
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-554

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```

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 719 GGGCCATCTAGACCTT 734
Db 16 GGGCCATGAAGGCCTT 1

RESULT 170
US-09-776-474-210/c
; Sequence 210, Application US/09776474
; Publication No. US20030087847A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Jarvis, Thale
; APPLICANT: Boher, Robert
; APPLICANT: Holman, Patricia
; APPLICANT: Fattaey, Ali
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Checkpoint Kinase-1 (CHK1)
; TITLE OF INVENTION: Enzyme
; FILE REFERENCE: MHB00-955-A (400/008)
; CURRENT APPLICATION NUMBER: US/09/776,474
; CURRENT FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: US 60/179,983
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 2992
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 210
; LENGTH: 17

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; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-776-474-210

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 749 ATTGATAATATGGGTC 764
Db 17 ATTGATAAGATTGTC 2

RESULT 171
US-09-776-474-587/c
; Sequence 587, Application US/09776474
; Publication No. US20030087847A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Jarvis, Thale
; APPLICANT: Boher, Robert
; APPLICANT: Holman, Patricia
; APPLICANT: Fattaey, Ali
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Checkpoint Kinase-1 (CHK1)
; TITLE OF INVENTION: Enzyme
; FILE REFERENCE: MHB00-955-A (400/008)
; CURRENT APPLICATION NUMBER: US/09/776,474
; CURRENT FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: US 60/179,983
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 2992
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 587
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-776-474-587

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```

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 749 ATTGATAATATGGGTC 764
Db 16 ATTGATAAGATTGTC 1

RESULT 172
US-09-776-474-995/c
; Sequence 995, Application US/09776474
; Publication No. US20030087847A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Jarvis, Thale
; APPLICANT: Boher, Robert
; APPLICANT: Holman, Patricia
; APPLICANT: Fattaey, Ali
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Checkpoint Kinase-1 (CHK1)
; TITLE OF INVENTION: Enzyme
; FILE REFERENCE: MHB00-955-A (400/008)
; CURRENT APPLICATION NUMBER: US/09/776,474
; CURRENT FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: US 60/179,983
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 2992
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 995

```

```
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-776-474-995

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 731 CCTTTTACCTTCAGGA 746
Db 16 CCTTTTAACTTCAGGA 1

RESULT 173
US-09-776-474-1179/c
; Sequence 1179, Application US/09776474
; Publication No. US20030087847A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Jarvis, Thale
; APPLICANT: Bocher, Robert
; APPLICANT: Holman, Patricia
; APPLICANT: Pattaeay, Ali
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Checkpoint Kinase-1 (CHK)
; TITLE OF INVENTION: Enzyme
; FILE REFERENCE: MBH00-955-A (400/008)
; CURRENT APPLICATION NUMBER: US/09/776,474
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: US 60/179,983
; NUMBER OF SEQ ID NOS: 2992
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1179
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-776-474-1179

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 731 CCTTTTACCTTCAGGA 746
Db 17 CCTTTTAACTTCAGGA 2

RESULT 174
US-09-930-423-1423
; Sequence 1423, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBH00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1423
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1423
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```
Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.3e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 683 GCGGAAGACTGATT 698
Db 2 GCAGAAGAUAGAGAU 17

RESULT 175
US-09-740-332-2568/c
; Sequence 2568, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; APPLICANT: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2568
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-2568

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 690 ATACTGATTGCTGTAC 705
Db 16 ATACGGATTCAGTAC 1

RESULT 176
US-09-740-332-3124
; Sequence 3124, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; APPLICANT: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3124
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-3124

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 1.3e+02;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 706 CCGAATTGCTGTGGG 721
Db 1 CCGAAACGCGCUCUGGG 16
```

```

RESULT 177
US-09-740-332-3434
; Sequence 3434, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3434
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-3434

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.3e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 654 ACAGCTTTGGACAGAG 669
|||:|:|:|:|
Db 1 ACAGCUUUGCAGCGAG 16

RESULT 178
US-09-745-237A-1423
; Sequence 1423, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBH00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1423
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-1423

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.3e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 683 GCGGAGATGACTGATT 698
|||:|:|:|:|
Db 2 GCAGAAGAUAGAGAUU 17

RESULT 179
US-09-817-879-2568/c
; Sequence 2568, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3434
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-2568

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 690 ATACTGATTGCTGTAC 705
|||:|:|:|:|
Db 16 ATACGATTCCAGTAC 1

RESULT 180
US-09-817-879-3124
; Sequence 3124, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3124
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3124

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 1.3e+02;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 706 CCGAAATTGCTGTGG 721
|||:|:|:|:|
Db 1 CCGAAACGCGCUCUGG 16

RESULT 181
US-09-817-879-3434
; Sequence 3434, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3434
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3434

```

US-09-817-879-3434

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.3e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 654 ACAGCTTTGGACAGAG 669
Db 1 ACAGCUUUGGACGAG 16

RESULT 182

US-10-342-902-1776
; Sequence 1776, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MHB00-845-1)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 1776
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus

US-10-342-902-1776

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.3e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAAGAA 769
Db 1 UAAUAUGGGCCUAAA 16

RESULT 183

US-10-342-902-2416
; Sequence 2416, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MHB00-845-1)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 1776
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus

US-10-342-902-1776

US-10-342-902-2416

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.3e+02;
Matches 10; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAAGAA 769
Db 2 UAAUAUGGGCCUAAA 17

RESULT 184

US-10-060-830-753/c
; Sequence 753, Application US/10060830
; Publication No. US20030032154A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Nguyen, Cung-Tuong
; TITLE OF INVENTION: HUMAN LCCL DOMAN CONTAINING PROTEIN
; FILE REFERENCE: PB0169
; CURRENT APPLICATION NUMBER: US/10/060,830
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/325,062
; PRIOR FILING DATE: 2001-09-25
; NUMBER OF SEQ ID NOS: 1123
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 753
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-060-830-753

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 718 TGGGCCCATCTAGACCT 733
Db 17 TGGGGCAGGTAGACCT 2

RESULT 185


```
US-10-060-830-754/c
; Sequence 754, Application US/10060830
; Publication No. US2003032154A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Nguyen, Cong-Tuong
; TITLE OF INVENTION: HUMAN LCL DOMAIN CONTAINING PROTEIN
; FILE REFERENCE: PB0169
; CURRENT APPLICATION NUMBER: US/10/060,830
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/325,062
; PRIOR FILING DATE: 2001-09-25
; NUMBER OF SEQ ID NOS: 1123
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 754
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-830-754

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      718 TGGGCGCATCTAGACCT 733
Db      16 TGGGCGCAGGTAGACCT 1

RESULT 186
US-10-060-756A-752
; Sequence 752, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 752
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-752

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      692 ACTGATTGCTGTACCC 707
Db      1 ACTCACTGCTGGACCC 16

RESULT 187
US-10-060-756A-753
; Sequence 753, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 753
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-753

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      692 ACTGATTGCTGTACCC 707
Db      1 ACTCACTGCTGGACCC 16

RESULT 188
US-10-060-998-431/c
; Sequence 431, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
```

; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 431
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-431

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 739 CTTGAGGATTATGAT 754
Db 17 CTTGAGGATTATGAT 2

RESULT 189

US-10-060-998-433/c
; Sequence 433, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 433
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-433

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 739 CTTGAGGATTATGAT 753
Db 16 CTTGAGGATTATGAT 1

RESULT 190

US-10-060-998-797
; Sequence 797, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 797
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-797

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 659 TTTGGACAGAGGTTT 674
Db 2 TTTGGACAGAGTGTGT 17

RESULT 191

US-10-060-998-798
; Sequence 798, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 798
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-798

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 659 TTTGGACAGAGGTTT 674
Db 1 TTTGGACAGAGTGTGT 16

RESULT 192

US-10-156-306-2395/c
; Sequence 2395, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; FILE REFERENCE: MHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2395
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-2395

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 708 GAATTCCTGTGGGCC 723
Db 16 GAATTCAGTGAGCC 1

RESULT 193

US-10-128-560-155/c

```
; Sequence 155, Application US/10128560
; Publication No. US20030134272A1
; GENERAL INFORMATION:
; APPLICANT: Universiteit Gent
; TITLE OF INVENTION: Improved mutation analysis of the NF1 Gene
; FILE REFERENCE: UG-005-PCT
; CURRENT APPLICATION NUMBER: US/10/128,560
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: EP 99870216.1
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: EP 00870122.9
; PRIOR FILING DATE: 2000-06-05
; PRIOR APPLICATION NUMBER: UG 60/211,929
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 264
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 155
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-128-560-155

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      687 AAGATCTGTTGCTG 702
DB      17 AAGACTGTAGCTG 2

RESULT 194
US-10-128-560-205/c
; Sequence 205, Application US/10128560
; Publication No. US20030134272A1
; GENERAL INFORMATION:
; APPLICANT: Universiteit Gent
; TITLE OF INVENTION: Improved mutation analysis of the NF1 Gene
; FILE REFERENCE: UG-005-PCT
; CURRENT APPLICATION NUMBER: US/10/128,560
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: EP 99870216.1
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: EP 00870122.9
; PRIOR FILING DATE: 2000-06-05
; PRIOR APPLICATION NUMBER: UG 60/211,929
; NUMBER OF SEQ ID NOS: 264
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 205
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-128-560-205

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      687 AAGATCTGTTGCTG 702
DB      17 AAGACTGTAGCTG 2

RESULT 195
US-10-241-780-51/c
; Sequence 51, Application US/10241780
; Publication No. US20030165821A1
; GENERAL INFORMATION:
; APPLICANT: VAN DOORN, Leen-Jan et al.
; TITLE OF INVENTION: Detection and identification of Human Papillomavirus by PCR and
; FILE REFERENCE: specific reverse hybridization.
; FILE REFERENCE: 3501-0101P

; Sequence 155, Application US/10128560
; Publication No. US20030134272A1
; GENERAL INFORMATION:
; APPLICANT: Universiteit Gent
; TITLE OF INVENTION: Improved mutation analysis of the NF1 Gene
; FILE REFERENCE: UG-005-PCT
; CURRENT APPLICATION NUMBER: US/10/128,560
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: EP 99870216.1
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: EP 00870122.9
; PRIOR FILING DATE: 2000-06-05
; PRIOR APPLICATION NUMBER: UG 60/211,929
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 264
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 51
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Type specific probe derived from the Human Papillomavirus (HPV)
US-10-241-780-51

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      685 GGAGATCTGTTGCTG 700
DB      17 GGAAATACTGTTGCTG 2

RESULT 196
US-10-061-201-364
; Sequence 364, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 364
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-364

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      659 TTGGACAGAGGGTTT 674
DB      2 TGTCTACAGAGGGTTT 17

RESULT 197
US-10-061-201-365
; Sequence 365, Application US/10061201
```

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; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 365
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-365

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      659 TTGACACAGAGGGTTT 674
Db      1 TGTCTACAGAGGGTTT 16

RESULT 198
US-10-061-201-836
; Sequence 836, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 837
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-837

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      719 GGGCCATCTAGACCTT 734
Db      2 GGGCCCTCTACAACTT 17

RESULT 199
US-10-061-201-837
; Sequence 837, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
; FILE REFERENCE: PB0178
; CURRENT APPLICATION NUMBER: US/10/061,201
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/328,205
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 4162
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 837
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-837

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      719 GGGCCATCTAGACCTT 734
Db      1 GGGCCCTCTACAACTT 16

RESULT 200
US-10-338-777-373
; Sequence 373, Application US/10338777
; Publication No. US20030188343A1
; GENERAL INFORMATION:
; APPLICANT: Lymx Therapeutics, Inc.
; APPLICANT: United States Department of Agriculture
; APPLICANT: Bowen, Benjamin A
```

APPLICANT: Haudenschild, Christian D
APPLICANT: Buckler, Edward S
TITLE OF INVENTION: Identification of Genes Associated with Growth in Plants
FILE REFERENCE: 37-000510US
CURRENT APPLICATION NUMBER: US/10/338,777
CURRENT FILING DATE: 2003-01-07
NUMBER OF SEQ ID NOS: 405
SOFTWARE: PatentIn version 3.1
SEQ ID NO 373
LENGTH: 17
TYPE: DNA
ORGANISM: Arabidopsis thaliana
US-10-338-777-373

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 724 ATCTGACCTTTTACC 739
Db 2 ATCTGGACCTTGTCCT 17

RESULT 201
US-10-307-005-1307/c
Sequence 1307, Application US/10307005
Publication No. US20030236208A1
GENERAL INFORMATION:
APPLICANT: University of Delaware
APPLICANT: Eric B. Kmiec
APPLICANT: Howard B. Gamper
APPLICANT: Michael C. Rice
APPLICANT: Jungsup Kim
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
FILE REFERENCE: Npro/009 PCT
CURRENT APPLICATION NUMBER: US/10/307,005
CURRENT FILING DATE: 2002-11-26
PRIOR APPLICATION NUMBER: PCT/US01/17672
PRIOR FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: US 09/818,875
PRIOR FILING DATE: 2001-03-27
NUMBER OF SEQ ID NOS: 2717
SOFTWARE: Friedman macro Napro4
SEQ ID NO 1307
LENGTH: 17
TYPE: DNA
ORGANISM: Fragraria vesca
US-10-307-005-1307

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 710 AATTGCTGTGGCCAT 725
Db 17 AGTTGGGTGGGCCTT 2

RESULT 202
US-10-307-005-1308
Sequence 1308, Application US/10307005
Publication No. US20030236208A1
GENERAL INFORMATION:
APPLICANT: University of Delaware
APPLICANT: Eric B. Kmiec
APPLICANT: Howard B. Gamper
APPLICANT: Michael C. Rice
APPLICANT: Jungsup Kim

TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides
FILE REFERENCE: Napro/009 PCT
CURRENT APPLICATION NUMBER: US/10/307,005
CURRENT FILING DATE: 2002-11-26
PRIOR APPLICATION NUMBER: PCT/US01/17672
PRIOR FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: US 09/818,875
PRIOR FILING DATE: 2001-03-27
NUMBER OF SEQ ID NOS: 2717
SOFTWARE: Friedman macro Napro4
SEQ ID NO 1308
LENGTH: 17
TYPE: DNA
ORGANISM: Fragraria vesca
US-10-307-005-1308

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 710 AATTGCTGTGGCCAT 725
Db 1 AGTTGGGTGGGCCTT 16

RESULT 203
US-10-307-005-1339/c
Sequence 1339, Application US/10307005
Publication No. US20030236208A1
GENERAL INFORMATION:
APPLICANT: University of Delaware
APPLICANT: Eric B. Kmiec
APPLICANT: Howard B. Gamper
APPLICANT: Michael C. Rice
APPLICANT: Jungsup Kim
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
FILE REFERENCE: Napro/009 PCT
CURRENT APPLICATION NUMBER: US/10/307,005
CURRENT FILING DATE: 2002-11-26
PRIOR APPLICATION NUMBER: PCT/US01/17672
PRIOR FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: US 09/818,875
PRIOR FILING DATE: 2001-03-27
NUMBER OF SEQ ID NOS: 2717
SOFTWARE: Friedman macro Napro4
SEQ ID NO 1339
LENGTH: 17
TYPE: DNA
ORGANISM: Solanum tuberosum
US-10-307-005-1339

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 710 AATTGCTGTGGCCAT 725
Db 17 AATTCTGTGAGCCTT 2

RESULT 204
US-10-307-005-1340
Sequence 1340, Application US/10307005

Publication No. US20030236208A1
GENERAL INFORMATION:
APPLICANT: University of Delaware
APPLICANT: Eric B. Kniec
APPLICANT: Howard B. Ganper
APPLICANT: Michael C. Rice
APPLICANT: Jungsup Kim
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides
FILE REFERENCE: Netro/009 PCT
CURRENT APPLICATION NUMBER: US/10/307,005
CURRENT FILING DATE: 2002-11-26
PRIOR APPLICATION NUMBER: PCT/US01/17672
PRIOR FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: US 09/818,875
PRIOR FILING DATE: 2001-03-27
NUMBER OF SEQ ID NOS: 2717
SOFTWARE: Friedman macro Napro4
SEQ ID NO 1340
LENGTH: 17
TYPE: DNA
ORGANISM: Solanum tuberosum
US-10-307-005-1340

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 710 AATTCCTGTGGCCAT 725
|||||
DB 1 AATTCCTGTGAGCCTT 16

RESULT 205

US-09-918-715-10/c
Sequence 10, Application US/09918715
Publication No. US20030017157A1
GENERAL INFORMATION:
APPLICANT: Brad St. Croix
APPLICANT: Bert Vogelstein
APPLICANT: Kenneth Kinzler
TITLE OF INVENTION: ENDOTHELIAL CELL EXPRESSION PATTERNS
FILE REFERENCE: 1107.00134
CURRENT APPLICATION NUMBER: US/09/918,715
CURRENT FILING DATE: 2001-08-01
PRIOR APPLICATION NUMBER: 60/222,599
PRIOR FILING DATE: 2000-08-02
PRIOR APPLICATION NUMBER: 60/224,360
PRIOR FILING DATE: 2000-08-11
PRIOR APPLICATION NUMBER: 60/282,850
PRIOR FILING DATE: 2000-04-11
NUMBER OF SEQ ID NOS: 358
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 10
LENGTH: 11
TYPE: DNA
ORGANISM: Homo sapiens
US-09-918-715-10

Query Match 9.1%; Score 11; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 739 CTTGAGGATTA 749
|||||
DB 11 CTTGAGGATTA 1

RESULT 206

US-10-440-850-1/c
Sequence 1, Application US/10440850
Publication No. US20030207837A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Jarvis, Thale
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reve:
TITLE OF INVENTION: Immune Responses
FILE REFERENCE: 250/130 (MEH00-900-A)
CURRENT APPLICATION NUMBER: US/10/440,850
CURRENT FILING DATE: 2003-05-19
PRIOR APPLICATION NUMBER: US/09/650,012
PRIOR FILING DATE: 2000-08-28
PRIOR APPLICATION NUMBER: US 08/585,684
PRIOR FILING DATE: 1996-01-12
PRIOR APPLICATION NUMBER: US 60/000,951
PRIOR FILING DATE: 1995-07-07
PRIOR APPLICATION NUMBER: US 09/038,073
PRIOR FILING DATE: 1998-03-11
NUMBER OF SEQ ID NOS: 2285
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 15
TYPE: RNA
ORGANISM: Homo sapiens
US-10-440-850-1

Query Match 9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 664 ACAGAGGGTTT 674
|||||
DB 11 ACAGAGGGTTT 1

RESULT 207

US-09-504-231A-268/c
Sequence 268, Application US/09504231A
Patent No. US20020013458A1
GENERAL INFORMATION:
APPLICANT: Blatt, Lawrence
APPLICANT: McSwiggen, James
APPLICANT: Roberts, Beth
APPLICANT: Pavco, Pamela
APPLICANT: Macejak, Dennis
TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELAT
FILE REFERENCE: Ipi 247/282
CURRENT APPLICATION NUMBER: US/09/504,231A
CURRENT FILING DATE: 2000-02-15
PRIOR APPLICATION NUMBER: 09/274,553
PRIOR FILING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: 09/257,608
PRIOR FILING DATE: 1999-02-24
PRIOR APPLICATION NUMBER: 60/100,842
PRIOR FILING DATE: 1998-09-18
PRIOR APPLICATION NUMBER: 60/083,217
PRIOR FILING DATE: 1998-04-27
NUMBER OF SEQ ID NOS: 3242
SOFTWARE: PatentIn version 3.0
SEQ ID NO 268
LENGTH: 15
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-268

Query Match 8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.2e+02;

Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 656 AGCTTTGGACAGAG 669
Db 15 AGTGTGGACAGAG 2

RESULT 208
US-09-504-231A-1056
; Sequence 1056, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A
; PRIOR FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1056
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-1056

Query Match 8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 71.4%; Pred. No. 1.2e+02;
Matches 10; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
Qy 706 CCGAAATTCCTGTG 719
Db 1 CCGAAAUUGCCGG 14

RESULT 209
US-09-274-553D-268/C
; Sequence 268, Application US/09274553D
; Patent No. US20020082225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 268

; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-268

Query Match 8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 656 AGCTTTGGACAGAG 669
Db 15 AGTGTGGACAGAG 2

RESULT 210
US-09-274-553D-1056
; Sequence 1056, Application US/09274553D
; Patent No. US20020082225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELAT
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1056
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-1056

Query Match 8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 71.4%; Pred. No. 1.2e+02;
Matches 10; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
Qy 706 CCGAAATTCCTGTG 719
Db 1 CCGAAAUUGCCGG 14

RESULT 211
US-10-091-281-303
; Sequence 303, Application US/10091281
; Publication No. US20030190617A1
; GENERAL INFORMATION:
; APPLICANT: RAYMOND, VINCENT
; APPLICANT: SI, ERWIN
; APPLICANT: MORISSETTE, JEAN
; TITLE OF INVENTION: OPTINEURIN NUCLEIC ACID MOLECULES AND USBS THEREOF
; FILE REFERENCE: 13587,338
; CURRENT APPLICATION NUMBER: US/10/091,281
; CURRENT FILING DATE: 2002-03-06
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: Patent in ver. 2.1
; SEQ ID NO 303
; LENGTH: 15
; TYPE: DNA

```

; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Putative IRFF/ISRE.01 motif
US-10-091-281-303

Query Match      8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 700 CTGTACCGAATT 713
    |||||
Db 1 CTGTACCGAATT 14

RESULT 212
US-10-440-850-2/c
; Sequence 2, Application US/10440850
; Publication No. US20030207937A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reverse Transcription
; FILE REFERENCE: 250/130 (MEH500-900-A)
; CURRENT APPLICATION NUMBER: US/10/440,850
; CURRENT FILING DATE: 2003-05-19
; PRIOR APPLICATION NUMBER: US/09/650,012
; PRIOR FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 08/585,684
; PRIOR FILING DATE: 1996-01-12
; PRIOR APPLICATION NUMBER: US 60/000,951
; PRIOR FILING DATE: 1995-07-07
; PRIOR APPLICATION NUMBER: US 09/038,073
; PRIOR FILING DATE: 1998-03-11
; NUMBER OF SEQ ID NOS: 2285
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 2
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-440-850-2

Query Match      8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 673 TTACTTTGACGGC 686
    |||||
Db 14 TTACTTTACAGG 1

RESULT 213
US-10-420-194-34
; Sequence 34, Application US/10420194
; Publication No. US20040006035A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, Jim
; APPLICANT: Blatt, Larry
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: Nucleic Acid Mediated Disruption of HIV Fusogenic Peptide
; FILE REFERENCE: MEH502-305-A (400/011)
; CURRENT APPLICATION NUMBER: US/10/420,194
; CURRENT FILING DATE: 2003-04-22
; PRIOR APPLICATION NUMBER: PCT/US 03/05190
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/398,036
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/374,722
; PRIOR FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: US 60/358,590
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: US 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: US 60/409,293
; PRIOR FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: US 60/440,129
; PRIOR FILING DATE: 2003-01-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1234
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 125
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Human immunodeficiency virus
US-10-420-194-34

Query Match      8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 64.3%; Pred. No. 1.2e+02;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 709 AAATTGCTGTGGC 722
    |||||
Db 1 AAUUGCUGAGGCG 14

RESULT 214
US-10-420-194-125
; Sequence 125, Application US/10420194
; Publication No. US20040006035A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, Jim
; APPLICANT: Blatt, Larry
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: Nucleic Acid Mediated Disruption of HIV Fusogenic Peptide
; FILE REFERENCE: MEH502-305-A (400/011)
; CURRENT APPLICATION NUMBER: US/10/420,194
; CURRENT FILING DATE: 2003-04-22
; PRIOR APPLICATION NUMBER: PCT/US 03/05190
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/398,036
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/374,722
; PRIOR FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: US 60/358,590
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: US 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: US 60/409,293
; PRIOR FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: US 60/440,129
; PRIOR FILING DATE: 2003-01-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1234
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 125
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Human immunodeficiency virus
US-10-420-194-34
```


US-10-420-194-125

Query Match 8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 64.3%; Pred. No. 1.2e+02;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 709 AAATTGCTGTGGGC 722

Db 2 AAUUGCUGAGGC 15

RESULT 215

US-10-420-194-392
; Sequence 392, Application US/10420194
; Publication No. US2004006035A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, Jim
; APPLICANT: Blatt, Larry
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: Nucleic Acid Mediated Disruption of HIV Fusogenic Peptide

; FILE REFERENCE: MHB02-305-A (400/011)
; CURRENT APPLICATION NUMBER: US/10/420,194
; CURRENT FILING DATE: 2003-04-22
; PRIOR APPLICATION NUMBER: PCT/US 03/05190
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/398,036
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/374,722
; PRIOR FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: US 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: US 60/409,293
; PRIOR FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: US 60/440,129
; PRIOR FILING DATE: 2003-01-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1234
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 392
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Human immunodeficiency virus

US-10-420-194-392

Query Match 8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 57.1%; Pred. No. 1.2e+02;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 712 TTGCTGTGGGCAT 725

Db 2 UUGCUGAGGCUAU 15

RESULT 216

US-10-025-003-8/c
; Sequence 8, Application US/10025003
; Publication No. US20030074685A1
; GENERAL INFORMATION:
; APPLICANT: Hitz, William
; APPLICANT: Sebastian, Scott
; APPLICANT: Grace, John
; APPLICANT: Streit, Leon
; TITLE OF INVENTION: SOYBEAN PLANT PRODUCING SEEDS WITH REDUCED LEVELS OF RAFFINOSE

; TITLE OF INVENTION: SACCHARIDES AND PHYTIC ACID

; FILE REFERENCE: BB-1077-C

; CURRENT APPLICATION NUMBER: US/10/025,003

; CURRENT FILING DATE: 2002-05-07

; PRIOR APPLICATION NUMBER: 08/835,751

; PRIOR FILING DATE: APRIL 8, 1997

; PRIOR APPLICATION NUMBER: PCT/US98/06822

; PRIOR FILING DATE: APRIL 7, 1998

; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: Microsoft Office 97

; SEQ ID NO 8

; LENGTH: 16

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: synthetic oligonucleotide
US-10-025-003-8

Query Match 8.9%; Score 10.8; DB 1; Length 16;

Best Local Similarity 85.7%; Pred. No. 1.3e+02;

Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 696 ATTGCTGTACCGA 709

Db 16 ATTGCTGTCCCTA 3

RESULT 217

US-10-084-839-3034/c

; Sequence 3034, Application US/10084839

; Publication No. US20030186238A1

; GENERAL INFORMATION:

; APPLICANT: Third Wave Technologies

; APPLICANT: Allawi, Hatim

; APPLICANT: Argue, Brad T.

; APPLICANT: Bartholomay, Christian T.

; APPLICANT: Chehak, LuAnne

; APPLICANT: Curtis, Michelle L.

; APPLICANT: Eis, Peggy S.

; APPLICANT: Hall, Jeff G.

; APPLICANT: IP, Hon S.

; APPLICANT: Ji, Lin

; APPLICANT: Kaiser, Michael

; APPLICANT: Kwiatkowski, Jr., Robert W.

; APPLICANT: Lukowiak, Andrew A.

; APPLICANT: Lyamichiev, Victor

; APPLICANT: Lymaicheva, Natalie E.

; APPLICANT: Ma, WuPo

; APPLICANT: Neri, Bruce P.

; APPLICANT: Olson, Sarah M.

; APPLICANT: Olson-Munoz, Marilyn C.

; APPLICANT: Schaefer, James J.

; APPLICANT: Skrzypczynski, Zbigniew

; APPLICANT: Takova, Tssetska Y.

; APPLICANT: Thompson, Lisa C.

; APPLICANT: Vedvik, Kevin L.

; TITLE OF INVENTION: RNA Detection Assays

; FILE REFERENCE: FORS-06666

; CURRENT APPLICATION NUMBER: US/10/084,839

; CURRENT FILING DATE: 2002-02-26

; NUMBER OF SEQ ID NOS: 4004

; SOFTWARE: Patent in version 3.1

; SEQ ID NO 3034

; LENGTH: 16

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic

US-10-084-839-3034

Query Match 8.9%; Score 10.8; DB 1; Length 16;

Best Local Similarity 85.7%; Pred. No. 1.3e+02;

Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 675 ACTTTCACCGGAA 688
|||||
Db 16 ACTTTCACCTGAA 3

RESULT 218
US-10-044-674-35
/ Sequence 35, Application US/10044674
/ Publication No. US20030175710A1
/ GENERAL INFORMATION:
/ APPLICANT: Chew, Anne
/ APPLICANT: Denton, R. Rex
/ APPLICANT: Bieglecki, Karyn M
/ APPLICANT: Nandabalan, Krishnan
/ APPLICANT: Stephens, J. Claiborne
/ TITLE OF INVENTION: HAPLOTYPES OF THE TNFRSF11B GENE
/ FILE REFERENCE: TNFRSF11B MW-0001US (CIP)
/ CURRENT APPLICATION NUMBER: US/10/044,674
/ CURRENT FILING DATE: 2002-01-09
/ PRIOR APPLICATION NUMBER: PCT/US00/18803
/ PRIOR FILING DATE: 2000-07-10
/ NUMBER OF SEQ ID NOS: 94
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 35
/ LENGTH: 15
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-044-674-35

```

Query Match 675 ACTTTGCAGCG 685
      |||||
Best Local Similarity 90.9%; Pred. No. 1.3e+02; Length 15;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY
Db
4 ACTTTGCAGCK 14

```

RESULT 219
 US-10-125-194-9/c
 ; Sequence 9, Application US/10125194
 ; Publication No. US20030113740A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Mirkin, Chad A.
 ; APPLICANT: Nguyen, SonBinh T.
 ; APPLICANT: Watson, Keith J.
 ; APPLICANT: Park, So-Jung
 ; TITLE OF INVENTION: OLIGONUCLEOTIDE-MODIFIED ROMP POLYMERS AND CO-POLYMERS
 ; FILE REFERENCE: 01-565-A
 ; CURRENT APPLICATION NUMBER: US/10/125,194
 ; CURRENT FILING DATE: 2002-04-18
 ; PRIOR APPLICATION NUMBER: 09/830,620
 ; PRIOR FILING DATE: 2001-04-26
 ; PRIOR APPLICATION NUMBER: 60/286,615
 ; PRIOR FILING DATE: 2001-04-26
 ; PRIOR APPLICATION NUMBER: 60/110,327
 ; PRIOR FILING DATE: 1998-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28387
 ; PRIOR FILING DATE: 1999-11-20
 ; NUMBER OF SEQ ID NOS: 10
 ; SOFTWARE: Microsoft Word 1998
 ; SEQ ID NO 9
 ; LENGTH: 12

```

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-10-125-194-9

Query Match      8.6%   Score 10.4   DB 1:   Length 12:

```

```

RESULT 222
US-09-823-887C-10
; Sequence 10, Application US/09823887C
; Publication No. US20030180723A1
; GENERAL INFORMATION:
; APPLICANT: Kumar, Sanjay
; APPLICANT: Lal, Lakhvir
; APPLICANT: Ahuja, Paramvir
; TITLE OF INVENTION: Cloning of No. US20030180723A1 Gene Sequences Expressed and Rep
; TITLE OF INVENTION: Dormancy in the Apical Buds of Tea (Camellia Sinensis L. (O.) Ku
; FILE REFERENCE: H053916.0001US0
; CURRENT APPLICATION NUMBER: US/09/823.887C
; CURRENT FILING DATE: 2002-04-23
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 10
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: primer_bind
US-09-823-887C-10

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      656 AGCTTTGGACAG 667
Db      2 AGCTTTGGTCAG 13

RESULT 223
US-10-362-711-12
; Sequence 12, Application US/10362711
; Publication No. US20040029141A1
; GENERAL INFORMATION:
; APPLICANT: Brodin, Peter
; APPLICANT: Thelin, Anders Lars
; TITLE OF INVENTION: HUMAN AND MOUSE E2-PROTEIN, NUCLEIC
; TITLE OF INVENTION: ACIDS CODING THEREFOR AND USES THEREOF
; FILE REFERENCE: 06275-340US1
; CURRENT APPLICATION NUMBER: US/10/362,711
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: PCT/GB01/03807
; PRIOR FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: US 60/228,118
; PRIOR FILING DATE: 2000-08-28
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: H-AP-3 primer
US-10-362-711-12

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      656 AGCTTTGGACAG 667
Db      2 AGCTTTGGTCAG 13

RESULT 224
US-10-291-808-61
; Sequence 61, Application US/10291808
; Publication No. US20030224382A1
; GENERAL INFORMATION:

```

```

; APPLICANT: McClelland, Michael
; APPLICANT: Welsh, John
; APPLICANT: Trenkle, Thomas
; TITLE OF INVENTION: Reduced Complexity Nucleic Acid Targets and Methods of
; TITLE OF INVENTION: Using Same
; FILE REFERENCE: P-PH 3457
; CURRENT APPLICATION NUMBER: US/10/291,808
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US/09/300,958
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/083,331
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/098,070
; PRIOR FILING DATE: 1998-08-27
; PRIOR APPLICATION NUMBER: 60/118,624
; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 61
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-291-808-61

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      656 AGCTTTGGACAG 667
Db      2 AGCTTTGGTCAG 13

RESULT 225
US-10-113-877-37/c
; Sequence 37, Application US/10113877
; Publication No. US20020177218A1
; GENERAL INFORMATION:
; APPLICANT: Fang, Yu
; APPLICANT: Wang, Xiao-Yang
; APPLICANT: Turpin, Pierre
; TITLE OF INVENTION: Methods of detecting multiple DNA
; TITLE OF INVENTION: binding protein and DNA interactions in a sample, and
; TITLE OF INVENTION: devices, systems and kits for practicing the same.
; FILE REFERENCE: CLON-071
; CURRENT APPLICATION NUMBER: US/10/113,877
; CURRENT FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: 60/280,658
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 60/314,330
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 192
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide
US-10-113-877-37

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      729 GACCTTTTACCT 740
Db      12 GACCTTTGACCT 1

RESULT 226

```

```
US-10-106-799-6
; Sequence 6, Application US/10106799
; Publication No. US20030140379A1
; GENERAL INFORMATION:
; APPLICANT: Council of Scientific and Industrial Research
; TITLE OF INVENTION: No. US20030140379A1el DNA sequence in plants Caragana jubata with
; FILE REFERENCE: US 673
; CURRENT APPLICATION NUMBER: US/10/106,799
; CURRENT FILING DATE: 2002-10-31
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: AP3 arbitrary primer for differential display
US-10-106-799-6

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      656 AGCTTTGGACAG 667
Db      |||||
        2 AGCTTTGGTCAG 13

RESULT 227
US-10-339-161-8/c
; Sequence 8, Application US/10339161
; Publication No. US20030162211A1
; GENERAL INFORMATION:
; APPLICANT: Renard, Jose
; APPLICANT: Remacle, Jose
; APPLICANT: Art. Muriel
; TITLE OF INVENTION: METHOD AND KIT FOR THE DETERMINATION OF
; TITLE OF INVENTION: CELLULAR ACTIVATION PROFILES
; FILE REFERENCE: VANM212.001CPI
; CURRENT APPLICATION NUMBER: US/10/339,161
; CURRENT FILING DATE: 2003-01-07
; PRIOR APPLICATION NUMBER: US 09/816,763
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: EP 00870057.7
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Transcription factor PPAR(gamma)
US-10-339-161-8

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      729 GACCTTTTACCT 740
Db      |||||
        12 GACCTTTGACCT 1

RESULT 228
US-10-174-794-2
; Sequence 2, Application US/10174794
; Publication No. US20030166220A1
; GENERAL INFORMATION:
; APPLICANT: University of Southern California
; TITLE OF INVENTION: cDNA, GENOMIC, AND PREDICTED PROTEIN
; TITLE OF INVENTION: SEQUENCES OF LEARNING-INDUCED KINASES
```

```
FILE REFERENCE: 13761-707
; CURRENT APPLICATION NUMBER: US/10/174,794
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US/09/411,628
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: US 60/102,906
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Random arbitrary primer
US-10-174-794-2

Query Match      8.8%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      656 AGCTTTGGACAG 667
Db      |||||
        2 AGCTTTGGTCAG 13

RESULT 229
US-10-431-304-9
; Sequence 9, Application US/10431304
; Publication No. US20030182690A1
; GENERAL INFORMATION:
; APPLICANT: Clendennen, Stephanie K.
; APPLICANT: Kellogg, Jill A.
; APPLICANT: Phan, Chau B.
; APPLICANT: Mathews, Helena V.
; APPLICANT: Webb, Nancy M.
; TITLE OF INVENTION: Banana and Melon Promoters for
; TITLE OF INVENTION: Expression of Transgenes in Plants
; FILE REFERENCE: 4257-0019.30
; CURRENT APPLICATION NUMBER: US/10/431,304
; CURRENT FILING DATE: 2003-05-06
; PRIOR APPLICATION NUMBER: US/09/527,972
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1999-03-19
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide primer
US-10-431-304-9

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      656 AGCTTTGGACAG 667
Db      |||||
        2 AGCTTTGGTCAG 13

RESULT 230
US-10-333-227-12/c
; Sequence 12, Application US/10333227
; Publication No. US20030216548A1
; GENERAL INFORMATION:
; APPLICANT: Bloch, Donald B.
; APPLICANT: Bloch, Kenneth D.
; TITLE OF INVENTION: Sp10, A POLYPEPTIDE COMPONENT OF THE
; TITLE OF INVENTION: NUCLEAR BODY
```

```
; FILE REFERENCE: 00786-49TUS1
; CURRENT APPLICATION NUMBER: US/10/333,227
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: PCT/US01/23248
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US 60/220,305
; PRIOR FILING DATE: 2000-07-24
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated oligonucleotide
US-10-333-227-12

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1e+02; 1; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0;

QY      729 GACCTTTTACCT 740
Db      12 GACCTTTTCCCT 1

RESULT 231
US-10-362-262-6
; Sequence 6, Application US/10362262
; Publication No. US20040014636A1
; GENERAL INFORMATION:
; APPLICANT: Brodin et al.
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS COMPRISING A MODULATOR OF ADAMTS-1
; FILE REFERENCE: ASD-P01-138
; CURRENT APPLICATION NUMBER: US/10/362,262
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: PCT/GB01/03650
; PRIOR FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: SE 0002973-6
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 6
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: PCR primer
US-10-362-262-6

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1e+02; 1; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0;

QY      656 AGCTTTGGACAG 667
Db      2 AGCTTTGGTCAG 13

RESULT 232
US-09-033-525-9
; Sequence 9, Application US/09033525
; Patent No. US20020090374A1
; GENERAL INFORMATION:
; APPLICANT: Yarkoni, Shai
; APPLICANT: Ben-Yehudah, Ahmi
; APPLICANT: Azar, Yehudith
; APPLICANT: Aqeilan, Rami
; APPLICANT: Belotskiy, Ruth
; APPLICANT: Lorberbaum-Galski, Haya
; TITLE OF INVENTION: CHIMERIC PROTEINS WITH CELL-TARGETING
; PRIOR APPLICATION NUMBER: SPECIFICITY AND APOPTOSIS-INDUCING ACTIVITIES
; FILE REFERENCE: 9457-009-999
```

```
; CURRENT APPLICATION NUMBER: US/09/033,525
; CURRENT FILING DATE: 1998-03-02
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Portion of pSV1 plasmid
US-09-033-525-9

Query Match      8.6%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 1.2e+02; 1; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 1;

QY      656 AGCTTTGGACAG 667
Db      2 AGCTTTGGACGG 13

RESULT 233
US-10-113-877-73
; Sequence 73, Application US/10113877
; Publication No. US20020177218A1
; GENERAL INFORMATION:
; APPLICANT: Pang, Yu
; APPLICANT: Wang, Xiao-Yang
; APPLICANT: Turpin, Pierre
; TITLE OF INVENTION: Methods of detecting multiple DNA
; TITLE OF INVENTION: binding protein and DNA interactions in a sample, and
; TITLE OF INVENTION: devices, systems and kits for practicing the same.
; FILE REFERENCE: CLON-071
; CURRENT APPLICATION NUMBER: US/10/113,877
; CURRENT FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: 60/280,658
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 60/314,330
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 192
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide
US-10-113-877-73

Query Match      8.6%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 1.2e+02; 1; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 1;

QY      761 GGTCAGAGAGTC 772
Db      2 GGTCAGAGAGTC 13

RESULT 234
US-10-223-074-65/c
; Sequence 65, Application US/10223074
; Publication No. US20030100094A1
; GENERAL INFORMATION:
; APPLICANT: Heiter, Daniel
; APPLICANT: Lunnen, Keith
; APPLICANT: Wilson, Geoffrey
; TITLE OF INVENTION: A Method For Engineering Strand-Specific, Sequence-Specific DNA
; TITLE OF INVENTION: Enzymes
; FILE REFERENCE: NEB-178A-PCT
; CURRENT APPLICATION NUMBER: US/10/223,074
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/314,386
; PRIOR FILING DATE: 2001-08-23
```

```
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 65
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: oligonucleotide linker
US-10-223-074-65

Query Match      8.6%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 1.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      714 GCTGTGGGCCAT 725
Db      13 GCTGAGGGCCAT 2

RESULT 235
US-09-504-231A-629/c
; Sequence 629, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 629
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-629

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      759 TGGGTCAAGAAG 770
Db      14 TGGGTGAAGAAG 3

RESULT 236
US-09-504-231A-630/c
; Sequence 630, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
```

```
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 630
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-630

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      759 TGGGTCAAGAAG 770
Db      13 TGGGTGAAGAAG 2

RESULT 237
US-09-274-553D-629/c
; Sequence 629, Application US/09274553D
; Patent No. US20020082225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELAT
; TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; CURRENT FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 629
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-629

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      759 TGGGTCAAGAAG 770
Db      14 TGGGTGAAGAAG 3

RESULT 238
US-09-274-553D-630/c
; Sequence 630, Application US/09274553D
```

```
Patent No. US20020082225A1
GENERAL INFORMATION:
APPLICANT: Blatt, Lawrence
APPLICANT: McSwiggen, James
APPLICANT: Roberts, Beth
APPLICANT: Pavco, Pamela
APPLICANT: Macejak, Dennis
TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
FILE REFERENCE: FPI 247/282
CURRENT APPLICATION NUMBER: US/09/274,553D
PRIOR FILING DATE: 1999-03-23
PRIOR FILING DATE: 1999-02-24
PRIOR FILING DATE: 1998-09-18
PRIOR FILING DATE: 1998-08-21
PRIOR FILING DATE: 1998-04-27
NUMBER OF SEQ ID NOS: 3148
SOFTWARE: PatentIn version 3.0
SEQ ID NO 630
LENGTH: 15
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-630

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 759 TGGGTCAGGAAG 770
Db 13 TGGGTCAGGAAG 2

RESULT 239
US-09-922-261-398
Sequence 398, Application US/09922261
Patent No. US20020111471A1
GENERAL INFORMATION:
APPLICANT: COGENT NEUROSCIENCE, Inc.
APPLICANT: Lo, Donald C.
APPLICANT: Barney, Shawn
APPLICANT: Thomas, Mary Beth
APPLICANT: Portbury, Stuart D.
APPLICANT: Puranam, Kasturi
APPLICANT: Katz, Lawrence C.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING
TITLE OF INVENTION: AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING
TITLE OF INVENTION: CELL DEATH
FILE REFERENCE: 10001-005-999
CURRENT APPLICATION NUMBER: US/09/922,261
PRIOR FILING DATE: 2001-08-03
PRIOR APPLICATION NUMBER: US/09/461,697
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 466
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 398
LENGTH: 15
TYPE: DNA
ORGANISM: Homo sapiens
US-09-922-261-398

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 732 CTTTCCCTTGA 743
Db 4 CTTTCCCTTGA 15
```

```
RESULT 240
US-09-973-788A-37/c
Sequence 37, Application US/09973788A
Patent No. US20020127574A1
GENERAL INFORMATION:
APPLICANT: Mirkin, Chad A.
APPLICANT: Letsinger, Robert L.
APPLICANT: Mucic, Robert C.
APPLICANT: Storhoff, James J.
APPLICANT: Elghanian, Robert
APPLICANT: Taton, Thomas A.
TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
FILE REFERENCE: 00-713-110
CURRENT APPLICATION NUMBER: US/09/973,788A
CURRENT FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: 09/603,830
PRIOR FILING DATE: 2000-06-26
PRIOR FILING DATE: 1999-06-25
PRIOR FILING DATE: 1999-01-29
PRIOR FILING DATE: 1997-07-21
PRIOR APPLICATION NUMBER: PCT/US97/12783
PRIOR APPLICATION NUMBER: 60/031,809
PRIOR FILING DATE: 1996-07-29
NUMBER OF SEQ ID NOS: 64
SOFTWARE: Microsoft Word 2000
SEQ ID NO 37
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: random
OTHER INFORMATION: synthetic sequence
US-09-973-788A-37

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 744 GGATTATTGATA 755
Db 12 GGATTATTGATA 1

RESULT 241
US-09-923-625-37/c
Sequence 37, Application US/09923625
Patent No. US20020137058A1
GENERAL INFORMATION:
APPLICANT: Mirkin, Chad A.
APPLICANT: Letsinger, Robert L.
APPLICANT: Mucic, Robert C.
APPLICANT: Storhoff, James J.
APPLICANT: Elghanian, Robert
TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
FILE REFERENCE: 00-713-51
CURRENT APPLICATION NUMBER: US/09/923,625
CURRENT FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 09/240,755
PRIOR FILING DATE: 1999-01-29
PRIOR APPLICATION NUMBER: PCT/US97/12783
PRIOR FILING DATE: 1997-07-21
PRIOR APPLICATION NUMBER: 60/031,809
PRIOR FILING DATE: 1996-07-29
NUMBER OF SEQ ID NOS: 42
SOFTWARE: Microsoft Word 2000
SEQ ID NO 37
```

```

; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
US-09-973-625-37
Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGATA 755
Db      12 GGATTATTGTTA 1

RESULT 242
US-09-973-638A-37/c
; Sequence 37, Application US/09973638A
; Patent No. US20020137070A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 00-713-19
; CURRENT APPLICATION NUMBER: US/09/973,638A
; PRIOR FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 37
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
US-09-973-638A-37
Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGATA 755
Db      12 GGATTATTGTTA 1

RESULT 243
US-09-974-007-37/c
; Sequence 37, Application US/09974007
; Patent No. US20020137071A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.

```

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; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 00-713-18
; CURRENT APPLICATION NUMBER: US/09/974,007
; PRIOR FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 37
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
US-09-974-007-37
Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGATA 755
Db      12 GGATTATTGTTA 1

RESULT 244
US-09-976-617A-37/c
; Sequence 37, Application US/09976617A
; Patent No. US20020137072A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 00-713-124
; CURRENT APPLICATION NUMBER: US/09/976,617A
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 37
; LENGTH: 15
; TYPE: DNA

```



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; ORGANISM: Artificial Sequence
; FEATURE:
; TITLE OF INVENTION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-961-949A-37

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```

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY      744 GGATTATTGATA 755
      |||||
Db      12 GGATTATTGTTA 1

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RESULT 245

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US-09-961-949A-37/c
; Sequence 37, Application US/09961949A
; Patent No. US20020146720A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storchoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; FILE REFERENCE: 00-713-i1
; CURRENT APPLICATION NUMBER: US/09/961,949A
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 37
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-961-949A-37

```

```

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      744 GGATTATTGATA 755
      |||||
Db      12 GGATTATTGTTA 1

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RESULT 246

```

```

US-09-961-949A-37/c
; Sequence 37, Application US/09760500A
; Patent No. US20020155442A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storchoff, James J.
; APPLICANT: Elghanian, Robert

```

```

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      744 GGATTATTGATA 755
      |||||
Db      12 GGATTATTGTTA 1

```

```

RESULT 246

```

```

US-09-961-949A-37/c
; Sequence 37, Application US/09760500A
; Patent No. US20020155442A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storchoff, James J.
; APPLICANT: Elghanian, Robert

```

```

; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; FILE REFERENCE: 00-715-A
; CURRENT APPLICATION NUMBER: US/09/760,500A
; CURRENT FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 37
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-760-500A-37

```

```

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      744 GGATTATTGATA 755
      |||||
Db      12 GGATTATTGTTA 1

```

```

RESULT 247

```

```

US-09-967-409A-37/c
; Sequence 37, Application US/09967409A
; Patent No. US20020155458A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storchoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; FILE REFERENCE: 00-713-i5
; CURRENT APPLICATION NUMBER: US/09/967,409A
; CURRENT FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 37
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

```

```

; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-967-409A-37

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
   |||||
Db 12 GGATTATTGTTA 1

RESULT 248
US-09-975-062A-37/c
; Sequence 37, Application US/09975062A
; Patent No. US20020155459A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 00-713-111
; CURRENT APPLICATION NUMBER: US/09/975,062A
; CURRENT FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 37
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-975-062A-37

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
   |||||
Db 12 GGATTATTGTTA 1

RESULT 250
US-09-976-577-37/c
; Sequence 37, Application US/09976577
; Patent No. US20020155462A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 00-713-120
; CURRENT APPLICATION NUMBER: US/09/976,577
; CURRENT FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 37
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-975-062A-37

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
   |||||
Db 12 GGATTATTGTTA 1

RESULT 249
US-09-976-378A-37/c
; Sequence 37, Application US/09976378A
; Patent No. US20020155461A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO

```

US-09-976-577-37

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 744 GGATTATTGATA 755
Db 12 GGATTATTGTA 1

RESULT 251

US-09-966-312-37/c
Sequence 37, Application US/09966312
Patent No. US20020164605A1
GENERAL INFORMATION:
APPLICANT: Mirkin, Chad A.
APPLICANT: Letsinger, Robert L.
APPLICANT: Mucic, Robert C.
APPLICANT: Storhoff, James J.
APPLICANT: Elghanian, Robert
APPLICANT: Taton, Thomas A.

TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
TITLE OF INVENTION: AND USES THEREFOR

FILE REFERENCE: 00-713-15
CURRENT APPLICATION NUMBER: US/09/966,312

CURRENT FILING DATE: 2002-05-07

PRIOR APPLICATION NUMBER: 09/603,830

PRIOR FILING DATE: 2000-06-26

PRIOR APPLICATION NUMBER: 09/344,667

PRIOR FILING DATE: 1999-06-25

PRIOR APPLICATION NUMBER: 09/240,755

PRIOR FILING DATE: 1999-01-29

PRIOR APPLICATION NUMBER: PCT/US97/12783

PRIOR FILING DATE: 1997-07-21

PRIOR APPLICATION NUMBER: 60/031,809

PRIOR FILING DATE: 1996-07-29

PRIOR APPLICATION NUMBER: 60/200,161

PRIOR FILING DATE: 2000-04-26

NUMBER OF SEQ ID NOS: 64

SOFTWARE: Microsoft Word 2000

SEQ ID NO 37

LENGTH: 15

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: random

OTHER INFORMATION: synthetic sequence

US-09-966-312-37

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 744 GGATTATTGATA 755
Db 12 GGATTATTGTA 1

RESULT 252

US-09-927-777A-37/c
Sequence 37, Application US/0992777A

Patent No. US20020172953A1

GENERAL INFORMATION:

APPLICANT: Mirkin, Chad A.

APPLICANT: Letsinger, Robert L.

APPLICANT: Mucic, Robert C.

APPLICANT: Storhoff, James J.

APPLICANT: Elghanian, Robert

APPLICANT: Taton, Thomas A.

APPLICANT: Garimella, Viswanadham

APPLICANT: Li, Zhi

APPLICANT: Park, So-Jung

TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
TITLE OF INVENTION: AND USES THEREFOR

FILE REFERENCE: 00-653-A

CURRENT APPLICATION NUMBER: US/09/927,777A

CURRENT FILING DATE: 2001-08-10

PRIOR APPLICATION NUMBER: 09/820,279

PRIOR FILING DATE: 2001-03-28

PRIOR APPLICATION NUMBER: 09/760,500

PRIOR FILING DATE: 2001-01-12

PRIOR APPLICATION NUMBER: 09/603,830

PRIOR FILING DATE: 2000-06-26

PRIOR APPLICATION NUMBER: 09/344,667

PRIOR FILING DATE: 1999-06-25

PRIOR APPLICATION NUMBER: 09/240,755

PRIOR FILING DATE: 1999-01-29

PRIOR APPLICATION NUMBER: PCT/US97/12783

PRIOR FILING DATE: 1997-07-21

PRIOR APPLICATION NUMBER: 60/031,809

PRIOR FILING DATE: 1996-07-29

PRIOR APPLICATION NUMBER: 60/176,409

PRIOR FILING DATE: 2000-01-13

PRIOR APPLICATION NUMBER: 60/192,699

PRIOR FILING DATE: 2000-03-28

PRIOR APPLICATION NUMBER: 60/200,161

PRIOR FILING DATE: 2000-04-26

PRIOR APPLICATION NUMBER: 60/213,906

PRIOR FILING DATE: 2000-06-26

PRIOR APPLICATION NUMBER: 60/224,631

PRIOR FILING DATE: 2000-08-11

PRIOR APPLICATION NUMBER: 60/254,392

PRIOR FILING DATE: 2000-12-08

PRIOR APPLICATION NUMBER: 60/255,235

PRIOR FILING DATE: 2000-12-11

NUMBER OF SEQ ID NOS: 76

SOFTWARE: Microsoft Word 2000

SEQ ID NO 37

LENGTH: 15

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: random

OTHER INFORMATION: synthetic sequence

US-09-927-777A-37

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 744 GGATTATTGATA 755
Db 12 GGATTATTGTA 1

RESULT 253

US-09-966-491A-37/c

Sequence 37, Application US/09966491A

Publication No. US20020182611A1

GENERAL INFORMATION:

APPLICANT: Mirkin, Chad A.

APPLICANT: Letsinger, Robert L.

APPLICANT: Mucic, Robert C.

APPLICANT: Storhoff, James J.

APPLICANT: Elghanian, Robert

APPLICANT: Taton, Thomas A.

TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO

TITLE OF INVENTION: AND USES THEREFOR

FILE REFERENCE: 00-713-14

CURRENT APPLICATION NUMBER: US/09/966,491A

CURRENT FILING DATE: 2002-03-12

PRIOR APPLICATION NUMBER: 09/603,830

PRIOR FILING DATE: 2000-06-26

PRIOR APPLICATION NUMBER: 09/344,667

PRIOR FILING DATE: 1999-06-25

PRIOR APPLICATION NUMBER: 09/240,755
PRIOR FILING DATE: 1999-01-29
PRIOR APPLICATION NUMBER: PCT/US97/12783
PRIOR FILING DATE: 1997-07-21
PRIOR APPLICATION NUMBER: 60/031,809
PRIOR FILING DATE: 1996-07-29
PRIOR APPLICATION NUMBER: 60/200,161
PRIOR FILING DATE: 2000-04-26
NUMBER OF SEQ ID NOS: 64
SOFTWARE: Microsoft Word 2000
SEQ ID NO 37
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: random
US-09-966-491A-37

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 744 GGATTATTGATA 755
|||||
Db 12 GGATTATTGTTA 1

RESULT 254
US-09-976-971A-37/c
Sequence 37, Application US/09976971A
Publication No. US20020182613A1
GENERAL INFORMATION:
APPLICANT: Mirkin, Chad A.
APPLICANT: Letsinger, Robert L.
APPLICANT: Mucic, Robert C.
APPLICANT: Storhoff, James J.
APPLICANT: Elghanian, Robert
APPLICANT: Taton, Thomas A.
TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
FILE REFERENCE: 00-713-118
CURRENT APPLICATION NUMBER: US/09/976,971A
CURRENT FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: 09/603,830
PRIOR FILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: 09/344,667
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: 09/240,755
PRIOR FILING DATE: 1999-01-29
PRIOR APPLICATION NUMBER: PCT/US97/12783
PRIOR FILING DATE: 1997-07-21
PRIOR APPLICATION NUMBER: 60/031,809
PRIOR FILING DATE: 1996-07-29
PRIOR APPLICATION NUMBER: 60/200,161
PRIOR FILING DATE: 2000-04-26
NUMBER OF SEQ ID NOS: 64
SOFTWARE: Microsoft Word 2000
SEQ ID NO 37
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: random
US-09-976-971A-37

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 744 GGATTATTGATA 755
|||||
Db 12 GGATTATTGTTA 1

Db 12 GGATTATTGTTA 1

RESULT 255
US-09-820-279B-37/c
Sequence 37, Application US/09820279B
Publication No. US20030022169A1
GENERAL INFORMATION:
APPLICANT: Mirkin, Chad A.
APPLICANT: Letsinger, Robert L.
APPLICANT: Mucic, Robert C.
APPLICANT: Storhoff, James J.
APPLICANT: Elghanian, Robert
APPLICANT: Taton, Thomas A.
TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
FILE REFERENCE: 00-1085-A
CURRENT APPLICATION NUMBER: US/09/820,279B
CURRENT FILING DATE: 2001-03-28
PRIOR APPLICATION NUMBER: 09/603,830
PRIOR FILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: 09/344,667
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: 09/240,755
PRIOR FILING DATE: 1999-01-29
PRIOR APPLICATION NUMBER: PCT/US97/12783
PRIOR FILING DATE: 1997-07-21
PRIOR APPLICATION NUMBER: 60/031,809
PRIOR FILING DATE: 1996-07-29
PRIOR APPLICATION NUMBER: 60/200,161
PRIOR FILING DATE: 2000-04-26
NUMBER OF SEQ ID NOS: 64
SOFTWARE: Microsoft Word 2000
SEQ ID NO 37
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: random
US-09-820-279B-37

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 744 GGATTATTGATA 755
|||||
Db 12 GGATTATTGTTA 1

RESULT 256
US-09-880-313A-265/c
Sequence 265, Application US/09880313A
Publication No. US20030044791A1
GENERAL INFORMATION:
APPLICANT: Flemington, Erik K
TITLE OF INVENTION: Adaptors and Methods of Use
FILE REFERENCE: 9397/1000
CURRENT APPLICATION NUMBER: US/09/880,313A
CURRENT FILING DATE: 2001-06-13
NUMBER OF SEQ ID NOS: 276
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 265
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide
US-09-880-313A-265

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;

Qy 744 GGATTATTGATA 755
 |||||
 Db 12 GGATTATTGTGA 1

RESULT 260

US-09-975-376A-37/c
 ; Sequence 37, Application US/09975376A
 ; Publication No. US20030054358A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Mirkin, Chad A.
 ; APPLICANT: Letsinger, Robert L.
 ; APPLICANT: Mucic, Robert C.
 ; APPLICANT: Storhoff, James J.
 ; APPLICANT: Elghanian, Robert
 ; APPLICANT: Taton, Thomas A.

;; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO

;; FILE REFERENCE: 00-713-112

;; CURRENT APPLICATION NUMBER: US/09/975,376A

;; PRIOR FILING DATE: 2002-05-07

;; PRIOR APPLICATION NUMBER: 09/603,830

;; PRIOR FILING DATE: 2000-06-26

;; PRIOR APPLICATION NUMBER: 09/344,667

;; PRIOR FILING DATE: 1999-06-25

;; PRIOR APPLICATION NUMBER: 09/240,755

;; PRIOR FILING DATE: 1999-01-29

;; PRIOR APPLICATION NUMBER: PCT/US97/12783

;; PRIOR FILING DATE: 1997-07-21

;; PRIOR APPLICATION NUMBER: 60/031,809

;; PRIOR FILING DATE: 1996-07-29

;; PRIOR APPLICATION NUMBER: 60/200,161

;; PRIOR FILING DATE: 2000-04-26

;; NUMBER OF SEQ ID NOS: 64

;; SOFTWARE: Microsoft Word 2000

;; SEQ ID NO 37

;; LENGTH: 15

;; TYPE: DNA

;; ORGANISM: Artificial Sequence

;; FEATURE:

;; OTHER INFORMATION: Description of Artificial Sequence:random

;; OTHER INFORMATION: synthetic sequence

US-09-975-376A-37

Query Match

Best Local Similarity 8.6%; Score 10.4; DB 1; Length 15;
 Pred. No. 1.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 744 GGATTATTGATA 755
 |||||
 Db 12 GGATTATTGTGA 1

RESULT 261

US-09-957-313A-37/c
 ; Sequence 37, Application US/09957313A
 ; Publication No. US2003005977A1
 ; GENERAL INFORMATION:

;; APPLICANT: Mirkin, Chad A.

;; APPLICANT: Letsinger, Robert L.

;; APPLICANT: Mucic, Robert C.

;; APPLICANT: Storhoff, James J.

;; APPLICANT: Elghanian, Robert

;; APPLICANT: Taton, Thomas A.

;; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO

;; FILE REFERENCE: 00-713-13

;; CURRENT APPLICATION NUMBER: US/09/957,313A

;; PRIOR FILING DATE: 2002-03-05

;; PRIOR APPLICATION NUMBER: 09/603,830

;; PRIOR FILING DATE: 2000-06-26

;; PRIOR APPLICATION NUMBER: 09/344,667

;; PRIOR FILING DATE: 1999-06-25

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;; PRIOR APPLICATION NUMBER: 09/240,755
 ; PRIOR FILING DATE: 1999-01-29
 ; PRIOR APPLICATION NUMBER: PCT/US97/12783
 ; PRIOR FILING DATE: 1997-07-21
 ; PRIOR APPLICATION NUMBER: 60/031,809
 ; PRIOR FILING DATE: 1996-07-29
 ; PRIOR APPLICATION NUMBER: 60/200,161
 ; PRIOR FILING DATE: 2000-04-26
 ; NUMBER OF SEQ ID NOS: 64
 ; SOFTWARE: Microsoft Word 2000
 ; SEQ ID NO 37

;; LENGTH: 15

;; TYPE: DNA

;; ORGANISM: Artificial Sequence

;; FEATURE:

;; OTHER INFORMATION: Description of Artificial Sequence:random

;; OTHER INFORMATION: synthetic sequence

US-09-957-313A-37

Query Match

Best Local Similarity 8.6%; Score 10.4; DB 1; Length 15;
 Pred. No. 1.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 744 GGATTATTGATA 755
 |||||
 Db 12 GGATTATTGTGA 1

RESULT 262

US-09-877-478-5946/c
 ; Sequence 5946, Application US/09877478
 ; Publication No. US20030068301A1
 ; GENERAL INFORMATION:

;; APPLICANT: Ribozyme Pharmaceuticals, Inc.

;; APPLICANT: Draper, Kenneth

;; APPLICANT: Blatt, Larry

;; APPLICANT: McSwiggen, Jim

;; APPLICANT: Morrissey, Dave

;; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication

;; FILE REFERENCE: MBH900-845-H (400/029)

;; CURRENT APPLICATION NUMBER: US/09/877,478

;; CURRENT FILING DATE: 2001-12-31

;; PRIOR APPLICATION NUMBER: US 07/882,712

;; PRIOR FILING DATE: 1992-05-14

;; PRIOR APPLICATION NUMBER: US 09/531,025

;; PRIOR FILING DATE: 2000-03-20

;; PRIOR APPLICATION NUMBER: US 09/636,385

;; PRIOR FILING DATE: 2000-08-09

;; PRIOR APPLICATION NUMBER: US 09/696,347

;; PRIOR FILING DATE: 2000-10-24

;; PRIOR APPLICATION NUMBER: US 08/193,627

;; PRIOR FILING DATE: 1994-02-07

;; PRIOR APPLICATION NUMBER: US 08/433,993

;; PRIOR FILING DATE: 1995-05-04

;; PRIOR APPLICATION NUMBER: US 08/434,504

;; PRIOR FILING DATE: 1995-05-04

;; PRIOR APPLICATION NUMBER: US 09/436,430

;; PRIOR FILING DATE: 1999-11-08

;; NUMBER OF SEQ ID NOS: 6586

;; SOFTWARE: Patent in version 3.0

;; SEQ ID NO 5946

;; LENGTH: 15

;; TYPE: RNA

;; ORGANISM: Hepatitis B virus

US-09-877-478-5946

Query Match

Best Local Similarity 8.6%; Score 10.4; DB 1; Length 15;
 Pred. No. 1.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 679 TGCAGCGGAAGA 690
 |||||
 Db 12 TGCAGCGGAAGA 1

```

RESULT 263
US-09-976-863A-37/c
; Sequence 37, Application US/09976863A
; Publication No. US20030068622A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Strohoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; FILE REFERENCE: 00-713-119
; CURRENT APPLICATION NUMBER: US/09/976,863A
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 37
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-976-863A-37

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGATA 755
      |||||
Db      12 GGATTATTGTTA 1

RESULT 264
US-09-976-601A-37/c
; Sequence 37, Application US/09976601A
; Publication No. US20030124528A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Strohoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; FILE REFERENCE: 00-713-116
; CURRENT APPLICATION NUMBER: US/09/976,601A
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783

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; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 37
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-976-601A-37

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGATA 755
      |||||
Db      12 GGATTATTGTTA 1

RESULT 265
US-09-740-332-4765/c
; Sequence 4765, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4765
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-4765

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      685 GGAAGATACCTGA 696
      |||||
Db      14 GGAAGACACTGA 3

RESULT 266
US-09-740-332-4784/c
; Sequence 4784, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4784
; LENGTH: 15
; TYPE: RNA

```

; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION:
 ; OTHER INFORMATION: oligonucleotide substrate
 US-09-740-332-4784

Query Match 8.6%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 91.7%; Pred. No. 1.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGACTACTGA 696
 DB 12 GGAAGACTACTGA 1

RESULT 267

US-09-975-059A-37/c
 ; Sequence 37, Application US/09975059A
 ; Publication No. US2003014338A1
 ; GENERAL INFORMATION:

; APPLICANT: Mirkin, Chad A.
 ; APPLICANT: Letsinger, Robert L.
 ; APPLICANT: Mucic, Robert C.
 ; APPLICANT: Storchoff, James J.
 ; APPLICANT: Elghanian, Robert
 ; APPLICANT: Taton, Thomas A.
 ; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
 ; TITLE OF INVENTION: AND USES THEREFOR

; FILE REFERENCE: 00-713-115
 ; CURRENT APPLICATION NUMBER: US/09/975,059A

; CURRENT FILING DATE: 2001-10-11
 ; PRIOR APPLICATION NUMBER: 09/603,830
 ; PRIOR FILING DATE: 2000-06-26
 ; PRIOR APPLICATION NUMBER: 09/344,667
 ; PRIOR FILING DATE: 1999-06-25
 ; PRIOR APPLICATION NUMBER: 09/240,755
 ; PRIOR FILING DATE: 1999-01-29
 ; PRIOR APPLICATION NUMBER: PCT/US97/12783
 ; PRIOR FILING DATE: 1997-07-21
 ; PRIOR APPLICATION NUMBER: 60/031,809
 ; PRIOR FILING DATE: 1996-07-29
 ; PRIOR APPLICATION NUMBER: 60/200,161
 ; PRIOR FILING DATE: 2000-04-26

; NUMBER OF SEQ ID NOS: 64
 ; SOFTWARE: Microsoft Word 2000
 ; SEQ ID NO 37

; LENGTH: 15

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:random

; OTHER INFORMATION: synthetic sequence

US-09-975-059A-37

Query Match 8.6%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 91.7%; Pred. No. 1.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
 DB 12 GGATTATTGATA 1

RESULT 268

US-09-976-968A-37/c
 ; Sequence 37, Application US/09976968A
 ; Publication No. US2003014828A1
 ; GENERAL INFORMATION:

; APPLICANT: Mirkin, Chad A.
 ; APPLICANT: Letsinger, Robert L.
 ; APPLICANT: Mucic, Robert C.
 ; APPLICANT: Storchoff, James J.

; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
 ; TITLE OF INVENTION: AND USES THEREFOR

; FILE REFERENCE: 00-713-115
 ; CURRENT APPLICATION NUMBER: US/09/976,968A

; CURRENT FILING DATE: 2001-10-12
 ; PRIOR APPLICATION NUMBER: 09/603,830
 ; PRIOR FILING DATE: 1999-06-25
 ; PRIOR APPLICATION NUMBER: 09/240,755
 ; PRIOR FILING DATE: 1999-01-29
 ; PRIOR APPLICATION NUMBER: PCT/US97/12783
 ; PRIOR FILING DATE: 1997-07-21
 ; PRIOR APPLICATION NUMBER: 60/031,809
 ; PRIOR FILING DATE: 1996-07-29
 ; PRIOR APPLICATION NUMBER: 60/200,161
 ; PRIOR FILING DATE: 2000-04-26

; NUMBER OF SEQ ID NOS: 64
 ; SOFTWARE: Microsoft Word 2000
 ; SEQ ID NO 37

; LENGTH: 15

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:random

; OTHER INFORMATION: synthetic sequence

US-09-975-059A-37

; APPLICANT: Elghanian, Robert
 ; APPLICANT: Taton, Thomas A.
 ; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
 ; TITLE OF INVENTION: AND USES THEREFOR
 ; FILE REFERENCE: 00-713-117
 ; CURRENT APPLICATION NUMBER: US/09/976,968A
 ; CURRENT FILING DATE: 2001-10-12
 ; PRIOR APPLICATION NUMBER: 09/603,830
 ; PRIOR FILING DATE: 2000-06-26
 ; PRIOR APPLICATION NUMBER: 09/344,667
 ; PRIOR FILING DATE: 1999-06-25
 ; PRIOR APPLICATION NUMBER: 09/240,755
 ; PRIOR FILING DATE: 1999-01-29
 ; PRIOR APPLICATION NUMBER: PCT/US97/12783
 ; PRIOR FILING DATE: 1997-07-21
 ; PRIOR APPLICATION NUMBER: 60/031,809
 ; PRIOR FILING DATE: 1996-07-29
 ; PRIOR APPLICATION NUMBER: 60/200,161
 ; PRIOR FILING DATE: 2000-04-26
 ; NUMBER OF SEQ ID NOS: 64
 ; SOFTWARE: Microsoft Word 2000
 ; SEQ ID NO 37
 ; LENGTH: 15
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence:random
 ; OTHER INFORMATION: synthetic sequence
 US-09-976-968A-37

Query Match 8.6%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 91.7%; Pred. No. 1.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
 DB 12 GGATTATTGATA 1

RESULT 269

US-09-817-879-4765/c
 ; Sequence 4765, Application US/09817879
 ; Publication No. US2003017131A1
 ; GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals Inc.
 ; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat

; TITLE OF INVENTION: Hepatitis C Virus Infection
 ; FILE REFERENCE: MSHB00-801-F

; CURRENT APPLICATION NUMBER: US/09/817,879

; CURRENT FILING DATE: 2001-03-26

; NUMBER OF SEQ ID NOS: 9703

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 4765

; LENGTH: 15

; TYPE: RNA

; ORGANISM: Artificial Sequence

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION:

; OTHER INFORMATION: oligonucleotide substrate
 US-09-817-879-4765

Query Match 8.6%; Score 10.4; DB 1; Length 15;
 Best Local Similarity 91.7%; Pred. No. 1.4e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGACTACTGA 696
 DB 14 GGAAGACTACTGA 3

RESULT 270

US-09-817-879-4784/c


```
; Sequence 4784, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4784
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-4784

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      685 GGAAGACTACTGA 696
Db      12 GGAAGACTACTGA 1

RESULT 271
US-10-342-902-5946/c
; Sequence 5946, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: 400/075 (MBH00-845-I)
; CURRENT APPLICATION NUMBER: US/10/342,902
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 09/877,478
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6592
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5946
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-5946

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      679 TCACGCGGAAGA 690
Db      12 TCACGAGGAAGA 1
```

RESULT 272

```
US-09-975-498-37/c
; Sequence 37, Application US/09975498
; Publication No. US20020160381A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
```

```
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
```

```
; FILE REFERENCE: 00-713-114
; CURRENT APPLICATION NUMBER: US/09/975,498
; CURRENT FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
```

```
; NUMBER OF SEQ ID NOS: 64
```

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; SOFTWARE: Microsoft Word 2000
```

```
; SEQ ID NO 37
```

```
; LENGTH: 15
```

```
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
```

```
; OTHER INFORMATION: Description of Artificial Sequence: random
```

```
; OTHER INFORMATION: synthetic sequence
```

```
US-09-975-498-37
```

```
Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

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Qy      744 GGATTATTGATA 755
```

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Db      12 GGATTATTGTTA 1
```

RESULT 273

```
US-10-172-428-4/c
```

```
; Sequence 4, Application US/10172428
```

```
; Publication No. US20030211488A1
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Mirkin, Chad
```

```
; APPLICANT: Gao, Yun-Wei
```

```
; APPLICANT: Jin, Rongchao
```

```
; TITLE OF INVENTION: Nanoparticle Probes with Raman Spectroscopic Fingerprints for An
```

```
; TITLE OF INVENTION: Detection
```

```
; FILE REFERENCE: MBH02-338-B
```

```
; CURRENT APPLICATION NUMBER: US/10/172,428
```

```
; CURRENT FILING DATE: 2002-06-14
```

```
; PRIOR APPLICATION NUMBER: US 60/378,538
```

```
; PRIOR FILING DATE: 2002-05-07
```

```
; PRIOR APPLICATION NUMBER: US 60/383,630
```

```
; PRIOR FILING DATE: 2002-05-28
```

```
; NUMBER OF SEQ ID NOS: 27
```

```
; SOFTWARE: PatentIn version 3.1
```

```
; SEQ ID NO 4
```

```
; LENGTH: 15
```

```
; TYPE: DNA
```

```
; ORGANISM: Bacillus anthracis
```

US-10-172-428-4

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
DB 12 GGATTATTGTTA 1

RESULT 274

US-10-172-428-25/c
; Sequence 25, Application US/10172428
; Publication No. US20030211488A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad
; APPLICANT: Cao, Yun-Wei
; APPLICANT: Jin, Rongchao
; TITLE OF INVENTION: Nanoparticle Probes with Raman Spectroscopic Fingerprints for Ana
; FILE REFERENCE: MBH02-338-B
; CURRENT APPLICATION NUMBER: US/10/172,428
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: US 60/378,538
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 60/383,630
; PRIOR FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(15)
; OTHER INFORMATION: Synthetic probe strand
US-10-172-428-25

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
DB 12 GGATTATTGTTA 1

RESULT 275

US-10-441-158-1/c
; Sequence 1, Application US/10441158
; Publication No. US20030224437A1
; GENERAL INFORMATION:
; APPLICANT: Marmaro, Jeffery M.
; APPLICANT: Gerdes, John C.
; TITLE OF INVENTION: Methods and Devices for Multiplexing Amplification Reactions
; FILE REFERENCE: XIR005
; CURRENT APPLICATION NUMBER: US/10/441,158
; CURRENT FILING DATE: 2003-05-19
; PRIOR APPLICATION NUMBER: 09/589,560
; PRIOR FILING DATE: 2000-06-06
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-441-158-1

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 712 TTGCTGTGGGC 723
DB 15 TTGCTGTGGGC 4

RESULT 276

US-10-056-414-130
; Sequence 130, Application US/10056414
; Publication No. US20030003469A1
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth G.
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; DISEASES OR CONDITIONS
; RELATED TO LEVELS OF
; NF-KB
; NUMBER OF SEQUENCES: 830
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION NUMBER: US/10/056,414
; FILING DATE: 23-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/291,932A
; FILING DATE: August 15, 1994
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 07/987,132
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Wardburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 130:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 130:
US-10-056-414-130

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATAA 756
DB 3 GAUUUUUGAUAA 14

RESULT 277

US-10-056-414-131
; Sequence 131, Application US/10056414

Publication No. US20030003469A1
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Draper, Kenneth G.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RIBOZYME TREATMENT OF DISEASES OR CONDITIONS RELATED TO LEVELS OF NF-KB
NUMBER OF SEQUENCES: 830
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/056,414
FILING DATE: 23-Jan-2002
CLASSIFICATION: <Unknown>
APPLICATION DATA:
APPLICATION NUMBER: US/08/291,932A
FILING DATE: August 15, 1994
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/157
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 131:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 131:
US-10-056-414-131
Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.4e-02;
Matches 6; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
Qy 745 GATTATTGATAA 756
Db 2 GAUUUUUGAUA 13
RESULT 278
US-10-008-978-37/c
Sequence 37, Application US/10008978
Publication No. US20030087242A1
GENERAL INFORMATION:
APPLICANT: Mirkin, Chad A.
APPLICANT: Letsinger, Robert L.
APPLICANT: Mucic, Robert C.
APPLICANT: Storhoff, James J.
APPLICANT: Elghariani, Robert
APPLICANT: Taton, Thomas A.
APPLICANT: Garimella, Viswanadham
Publication No. US20030003469A1
GENERAL INFORMATION:
APPLICANT: Li, Zhi
APPLICANT: Park, So-Jung
APPLICANT: Lu, Gang
TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
FILE REFERENCE: 00-1272-C
CURRENT APPLICATION NUMBER: US/10/008,978
CURRENT FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: 09/927,777
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 09/820,279
PRIOR FILING DATE: 2001-03-28
PRIOR APPLICATION NUMBER: 09/760,500
PRIOR FILING DATE: 2001-01-12
PRIOR APPLICATION NUMBER: 09/603,830
PRIOR FILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: 09/344,667
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: 09/240,755
PRIOR FILING DATE: 1999-01-29
PRIOR APPLICATION NUMBER: PCT/US97/12783
PRIOR FILING DATE: 1997-07-21
PRIOR APPLICATION NUMBER: 60/031,809
PRIOR FILING DATE: 1996-07-29
PRIOR APPLICATION NUMBER: 60/176,409
PRIOR FILING DATE: 2000-01-13
PRIOR APPLICATION NUMBER: 60/192,699
PRIOR FILING DATE: 2000-03-28
PRIOR APPLICATION NUMBER: 60/200,161
PRIOR FILING DATE: 2000-04-26
PRIOR APPLICATION NUMBER: 60/213,906
PRIOR FILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: 60/224,631
PRIOR FILING DATE: 2000-08-11
PRIOR APPLICATION NUMBER: 60/254,392
PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/254,418
PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/255,235
PRIOR FILING DATE: 2000-12-11
PRIOR APPLICATION NUMBER: 60/255,236
PRIOR FILING DATE: 2000-12-11
PRIOR APPLICATION NUMBER: 60/282,640
PRIOR FILING DATE: 2000-04-01
NUMBER OF SEQ ID NOS: 76
SOFTWARE: Microsoft Word 2000
SEQ ID NO 37
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: random
OTHER INFORMATION: synthetic sequence
US-10-008-978-37
Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e-02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 744 GGATTATTGATA 755
Db 12 GGATTATTGTA 1
RESULT 279
US-10-044-674-46/c
Sequence 46, Application US/10044674
Publication No. US20030175710A1
GENERAL INFORMATION:
APPLICANT: Chew, Anne
APPLICANT: Denton, R. Rex
APPLICANT: Bieganski, Karyn M
APPLICANT: Nandabalan, Krishnan

```

; APPLICANT: Stephens, J. Claiborne
; TITLE OF INVENTION: HAPLOTYPES OF THE TNFRSF11B GENE
; FILE REFERENCE: TNFRSF11B MMH-0001US (CIP)
; CURRENT APPLICATION NUMBER: US/10/044,674
; CURRENT FILING DATE: 2002-01-09
; PRIOR APPLICATION NUMBER: PCT/US00/18803
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-044-674-46

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 78.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 671 GTTACTTTGCAGC 684
DB 14 RTTACTTTGGTGC 1

RESULT 280
US-10-108-732-74
; Sequence 74, Application US/10108732
; Publication No. US20030175721A1
; GENERAL INFORMATION:
; APPLICANT: Box, Neil F
; APPLICANT: Duffy, David L
; APPLICANT: Hayward, Nicholas K
; APPLICANT: Martin, Nicholas G
; APPLICANT: Sturms, Richard A
; APPLICANT: Gruis, Nelliëke A
; APPLICANT: Van Der Velden, Pieter
; APPLICANT: Bergman, Wilma
; APPLICANT: Frants, Rune R
; TITLE OF INVENTION: MELANOMA RISK DETECTION
; FILE REFERENCE: 8795-27U1
; CURRENT APPLICATION NUMBER: US/10/108,732
; CURRENT FILING DATE: 2002-03-28
; PRIOR APPLICATION NUMBER: US 60/279,515
; PRIOR FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 74
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: A299T Thr probe
US-10-108-732-74

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 723 CATCTAGACCTT 734
DB 1 CATCTACACCTT 12

RESULT 281
US-10-410-324-37/c
; Sequence 37, Application US/10410324
; Publication No. US20030180783A1
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert

; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; FILE REFERENCE: 00-713-126
; CURRENT APPLICATION NUMBER: US/10/410,324
; CURRENT FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: 09/961,949
; PRIOR FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/176,409
; PRIOR FILING DATE: 2000-01-13
; PRIOR APPLICATION NUMBER: 60/192,699
; PRIOR FILING DATE: 2000-03-28

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
DB 12 GGATTATTGTTA 1

RESULT 282
US-10-266-983-37/c
; Sequence 37, Application US/10266983
; Publication No. US20030207296A1
; GENERAL INFORMATION:
; APPLICANT: Park, So-Jung
; APPLICANT: Taton, Thomas Andrew
; APPLICANT: Mirkin, Chad A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; FILE REFERENCE: 01-1565-A
; CURRENT APPLICATION NUMBER: US/10/266,983
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: 09/927,777
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 09/820,279
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: 09/760,500
; PRIOR FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/176,409
; PRIOR FILING DATE: 2000-01-13
; PRIOR APPLICATION NUMBER: 60/192,699
; PRIOR FILING DATE: 2000-03-28
```

Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 37
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: random
; OTHER INFORMATION: synthetic sequence
US-10-266-983-37

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
Db 12 GGATTATTGATA 1
|||||

RESULT 283
US-10-402-099-7/c
; Sequence 7, Application US/10402099
; Publication No. US20030220287A1
; GENERAL INFORMATION:
; APPLICANT: Phillips, M. Ian
; TITLE OF INVENTION: Antisense Nucleic Acids
; FILE REFERENCE: 5853-235
; CURRENT APPLICATION NUMBER: US/10/402,099
; CURRENT FILING DATE: 2003-03-28
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 7
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-402-099-7

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 714 GCTGTGGGCCCAT 725
Db 15 GCTGTGGGCCCAT 4
|||||

RESULT 284
US-10-417-476-39/c
; Sequence 39, Application US/10417476
; Publication No. US20040002102A1
; GENERAL INFORMATION:
; APPLICANT: Litman, Gary W.
; APPLICANT: Hawke, No. US20040002102A1 A.
; APPLICANT: Yoder, Jeffrey A.
; APPLICANT: Eason, Donna D.
; TITLE OF INVENTION: BIVM (Basic, Immunoglobulin-Like Variable Motif-Containing) Gene,
; TITLE OF INVENTION: Transcriptional Products, and Uses Thereof
; FILE REFERENCE: USP-103X
; CURRENT APPLICATION NUMBER: US/10/417,476
; CURRENT FILING DATE: 2003-04-16
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 39
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(15)
; OTHER INFORMATION: BIVM Exon 3 splice donor sequence

US-10-417-476-39

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 673 TTACTTTCAGC 684
Db 14 TTACTTTCAGC 3
|||||

RESULT 285
US-10-457-839-49/c
; Sequence 49, Application US/10457839
; Publication No. US20040014115A1
; GENERAL INFORMATION:
; APPLICANT: Myriad Genetics, Incorporated
; APPLICANT: Scholl, Thomas
; APPLICANT: Hendrickson, Brant C
; APPLICANT: Ward, Benjamin
; APPLICANT: Pruss, Dmitry
; TITLE OF INVENTION: Large Deletions in Human BRCA-1 Gene and Use Thereof
; FILE REFERENCE: 3002.03
; CURRENT APPLICATION NUMBER: US/10/457,839
; CURRENT FILING DATE: 2003-06-09
; PRIOR APPLICATION NUMBER: 60/387,132
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: 60/402,430
; PRIOR FILING DATE: 2002-08-09
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 49
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-457-839-49

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 91.7%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 723 CATCTAGACCTT 734
Db 13 CATCTAGATCTT 2
|||||

RESULT 286
US-09-739-928-9
; Sequence 9, Application US/09739928
; Patent No. US20020052482A1
; GENERAL INFORMATION:
; APPLICANT: Kutyavin, Igor V.
; APPLICANT: Lukhtanov, Eugeny A.
; APPLICANT: Gamber, Howard B.
; APPLICANT: Meyer Jr., Rich B.
; TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
; Groove Binder Conjugates
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/09/739,928
; APPLICATION NUMBER: US/09/739,928
; FILING DATE: 11-May-2001

```
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/415,370
; FILING DATE: 03-APR-1995
; APPLICATION NUMBER: US 09/141,764
; FILING DATE: 27-AUG-1998
; APPLICATION NUMBER: US 09/507,345
; FILING DATE: 18-FEB-2000
; ATTORNEY/AGENT INFORMATION:
; NAME: Kezer, William B.
; REGISTRATION NUMBER: 37,369
; REFERENCE/DOCKET NUMBER: 17682A-003510US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-739-928-9
Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      681 CAGCGGAAGATA 692
Db      2 CAGCAGAGATA 13

RESULT 287
US-09-739-928-10
; Sequence 10, Application US/09739928
; Patent No. US20020052482A1
; GENERAL INFORMATION:
; APPLICANT: Kutyavin, Igor V.
; Lukhtanov, Eugeny A.
; Gampier, Howard B.
; Meyer Jr., Rich B.
; TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
; Groove Binder Conjugates
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/739,928
; FILING DATE: 11-May-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/415,370
; FILING DATE: 03-APR-1995
; APPLICATION NUMBER: US 09/141,764
; FILING DATE: 27-AUG-1998
; APPLICATION NUMBER: US 09/507,345
; FILING DATE: 18-FEB-2000
; ATTORNEY/AGENT INFORMATION:
; NAME: Kezer, William B.
; REGISTRATION NUMBER: 37,369
; REFERENCE/DOCKET NUMBER: 17682A-003510US
```

```
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 16
; OTHER INFORMATION: /mod_base= OTHER
; /note= "N" = adenosine modified by
; 3-carbamoyl-1,2-dihydro-3H-pyrrolo[3,2e]indole-7-carboxylate
; trimer (CDPI-3)"
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-739-928-10
Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      681 CAGCGGAAGATA 692
Db      2 CAGCAGAGATA 13

RESULT 288
US-09-740-332-9646/c
; Sequence 9646, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 9646
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16)..(16)
; OTHER INFORMATION: n is inverted deoxyabasic
US-09-740-332-9646
Query Match      8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      685 GGAAGATACCTGA 696
Db      12 GGAAGACACTGA 1

RESULT 289
US-09-740-332-9660/c
; Sequence 9660, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
```

US-09-817-879-9646
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9660
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (16)..(16)
; OTHER INFORMATION: n is inverted deoxyabasic
US-09-740-332-9660

Query Match 8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGATACCTGA 696
| | | | | | | | | | | | | | | |
Db 14 GGAAGACACTGA 3

RESULT 290

US-09-740-332-9676/c
; Sequence 9676, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9676
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (16)..(16)
; OTHER INFORMATION: n is inverted deoxyabasic
US-09-740-332-9676

Query Match 8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGATACCTGA 696
| | | | | | | | | | | | | | | |
Db 14 GGAAGACACTGA 3

RESULT 291

US-09-817-879-9646/c
; Sequence 9646, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MEHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9646
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (16)..(16)
; OTHER INFORMATION: n is inverted deoxyabasic

US-09-817-879-9646

Query Match 8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGATACCTGA 696
| | | | | | | | | | | | | | | |
Db 12 GGAAGACACTGA 1

RESULT 292

US-09-817-879-9660/c
; Sequence 9660, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MEHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9660
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (16)..(16)
; OTHER INFORMATION: n is inverted deoxyabasic
US-09-817-879-9660

Query Match 8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGATACCTGA 696
| | | | | | | | | | | | | | | |
Db 14 GGAAGACACTGA 3

RESULT 293

US-09-817-879-9676/c
; Sequence 9676, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MEHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9676
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (16)..(16)
; OTHER INFORMATION: n is inverted deoxyabasic
US-09-817-879-9676

Query Match 8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGATACCTGA 696
| | | | | | | | | | | | | | | |
Db 14 GGAAGACACTGA 3

RESULT 294

US-10-287-919-863
; Sequence 863, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 863
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (367348)...(367363)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 1064
US-10-287-919-863

Query Match 8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATAA 756
|||||
Db 1 GATTATTGAAAA 12

RESULT 295

US-10-287-919-864
; Sequence 864, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 864
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (367348)...(367363)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 1063
US-10-287-919-864

Query Match 8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATAA 756
|||||
Db 1 GATTATTGAAAA 12

RESULT 296

US-10-287-919-1251
; Sequence 1251, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706

; SOFTWARE: Proprietary
; SEQ ID NO 1251
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (563451)...(563466)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 153
US-10-287-919-1251

Query Match 8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATAA 756
|||||
Db 1 GATTATTGAAAA 12

RESULT 297

US-10-287-919-1252
; Sequence 1252, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 1252
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (563451)...(563466)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 153
US-10-287-919-1252

Query Match 8.6%; Score 10.4; DB 1; Length 16;
Best Local Similarity 91.7%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATAA 756
|||||
Db 1 GATTATTGAAAA 12

RESULT 298

US-09-504-231A-17/c
; Sequence 17, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELAT
; FILE REFERENCE: ID# 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242

Qy 745 GATTATTGATAA 756
|||||
Db 1 GATTATTGAAAA 12

; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-17

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 735 TTACTTTCAGGATTA 749
Db 15 TTCTTTGAGGTTA 1

RESULT 299
US-09-504-231A-448
; Sequence 448, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; FILE REFERENCE: HEPATITIS C VIRUS INFECTION
; CURRENT APPLICATION NUMBER: 09/504,231A
; PRIOR FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 448
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-448

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 1.5e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 691 TACTGATTCCTGTAC 705
Db 1 UACGGAUCCAGUAC 15

RESULT 300
US-09-504-231A-554/c
; Sequence 554, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; FILE REFERENCE: HEPATITIS C VIRUS INFECTION
; CURRENT APPLICATION NUMBER: 09/504,231A
; PRIOR FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 448
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-448

CURRENT APPLICATION NUMBER: US/09/504,231A
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 554
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-554

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 682 AGCGAAGATACTGA 696
Db 15 AGAGGAAGATAGAGA 1

RESULT 301
US-09-152-059-50
; Sequence 50, Application US/09152059
; Patent No. US20020068708A1
; GENERAL INFORMATION:
; APPLICANT: WENGEL, JESPER
; APPLICANT: NIELSEN, POUL
; TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES
; FILE REFERENCE: 49165 (71994)
; CURRENT APPLICATION NUMBER: US/09/152,059
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: 60/058,541
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/068,293
; PRIOR FILING DATE: 1997-12-19
; PRIOR APPLICATION NUMBER: 60/071,682
; PRIOR FILING DATE: 1998-01-16
; PRIOR APPLICATION NUMBER: 60/076,591
; PRIOR FILING DATE: 1998-03-03
; PRIOR APPLICATION NUMBER: 60/083,507
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/088,309
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/094,355
; PRIOR FILING DATE: 1998-07-28
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 50
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-09-152-059-50

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 655 CAGCTTTGGACAGAG 669
Db 1 CAGCAGTCGACAGAG 15

RESULT 302
US-09-152-059-51
; Sequence 51, Application US/09152059
; Patent No. US20020068708A1
; GENERAL INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
; APPLICANT: WENDEL JESPER
; APPLICANT: NIELSEN, POUL
; TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES
; FILE REFERENCE: 49165 (71994)
; CURRENT APPLICATION NUMBER: US/09/152-059
; CURRENT FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: 60/058,541
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/068,293
; PRIOR FILING DATE: 1997-12-19
; PRIOR APPLICATION NUMBER: 60/071,682
; PRIOR FILING DATE: 1998-01-16
; PRIOR APPLICATION NUMBER: 60/076,591
; PRIOR FILING DATE: 1998-03-03
; PRIOR APPLICATION NUMBER: 60/083,507
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/088,309
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/094,355
; PRIOR FILING DATE: 1998-07-28
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE: modified_base
; NAME/KEY: (7)
; LOCATION: (7)
; OTHER INFORMATION: LNA monomer
; OTHER INFORMATION: Description of Artificial Sequence: LNA modified
; OTHER INFORMATION: oligonucleotide
US-09-152-059-51

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 655 CAGCTTTGACACAG 669
Db 1 CAGCAGTCGACAG 15

RESULT 303
US-09-274-553D-17/c
; Sequence 17, Application US/09274553D
; Patent No. US2002008225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; CURRENT FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17

; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-17

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 735 TTACCTTGAGGATTA 749
Db 15 TTCTTTGAGGTTTA 1

RESULT 304
US-09-274-553D-448
; Sequence 448, Application US/09274553D
; Patent No. US2002008225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELAT
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; CURRENT FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 448
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-448

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 1.5e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 691 TACTGATTGCTGTAC 705
Db 1 UACCGAUCCAGUAC 15
RESULT 305
US-09-274-553D-554/c
; Sequence 554, Application US/09274553D
; Patent No. US2002008225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELAT
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; CURRENT FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24

```
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 554
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-554

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 582 AGCGGAGATACACTGA 696
   |||||
Db 15 AGAGGAGATAGAGA 1

RESULT 306
US-09-949-041A-29
; Sequence 29, Application US/09949041A
; Publication No. US20030104387A1
; GENERAL INFORMATION:
; APPLICANT: Yang, Meng
; APPLICANT: Woo, Hok
; TITLE OF INVENTION: Mutation Detection of RNA Polymerase Beta Subunit Gene Having Rif
; FILE REFERENCE: fp4637
; CURRENT APPLICATION NUMBER: US/09/949,041A
; CURRENT FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 29
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide probe
US-09-949-041A-29

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 696 ATTGCTGTACCCGAA 710
   |||||
Db 1 ATTCATGTACCAGAA 15

RESULT 307
US-09-740-332-4636/c
; Sequence 4636, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4636
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
```

```
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-4636

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 735 TTACCTTGAGGATTA 749
   |||||
Db 15 TTCTTGAGGTTTA 1

RESULT 308
US-09-817-879-4636/c
; Sequence 4636, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; FILE REFERENCE: MBH800-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4636
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-4636

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 735 TTACCTTGAGGATTA 749
   |||||
Db 15 TTCTTGAGGTTTA 1

RESULT 309
US-10-219-446-16
; Sequence 16, Application US/10219446
; Publication No. US20040033497A1
; GENERAL INFORMATION:
; APPLICANT: Alarcon-Riquelme, Marta E.
; APPLICANT: Prokunina, Ludmila
; TITLE OF INVENTION: Polymorphisms of PD-1
; FILE REFERENCE: sthp-004
; CURRENT APPLICATION NUMBER: US/10/219,446
; CURRENT FILING DATE: 2002-08-13
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PD1.1 probe 2
US-10-219-446-16

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 758 ATGGGTCAAGAGTC 772
   |||||
Db 1 ATGGCCAGGAAGGC 15
```

```

; SOFTWARE: Proprietary
; SEQ ID NO 113
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (21118)...(21132)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 12
US-10-287-919-113

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 747 TTATTGATAATATGG 761
||| ||||| |||||
Db 1 TTGGTGATAACATGG 15

RESULT 313
US-10-287-919-1443
; Sequence 1443, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 1443
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (726386)...(726400)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 180
US-10-287-919-1443

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 747 TTATTGATAATATGG 761
||| ||||| |||||
Db 1 TTGGTGATAACATGG 15

RESULT 314
US-10-209-324-14/c
; Sequence 14, Application US/10209324
; Publication No. US20030108910A1
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY OF CALIFORNIA SAN FRANCISCO
; APPLICANT: TOLAND, Amanda E.
; APPLICANT: BALMAIN, Allan
; TITLE OF INVENTION: STK15 (STK6) GENE POLYMORPHISM AND METHODS OF DETERMINING CANCER
; FILE REFERENCE: UCSF1120-2
; CURRENT APPLICATION NUMBER: US/10/209,324
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/334,146
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: US 60/308,911
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 14
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Probe sequence

```

```

; SOFTWARE: Proprietary
; SEQ ID NO 113
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (21118)...(21132)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 12
US-10-287-919-113

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 747 TTATTGATAATATGG 761
||| ||||| |||||
Db 1 TTGGTGATAACATGG 15

RESULT 313
US-10-287-919-1443
; Sequence 1443, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 1443
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (726386)...(726400)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 180
US-10-287-919-1443

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 747 TTATTGATAATATGG 761
||| ||||| |||||
Db 1 TTGGTGATAACATGG 15

RESULT 314
US-10-209-324-14/c
; Sequence 14, Application US/10209324
; Publication No. US20030108910A1
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY OF CALIFORNIA SAN FRANCISCO
; APPLICANT: TOLAND, Amanda E.
; APPLICANT: BALMAIN, Allan
; TITLE OF INVENTION: STK15 (STK6) GENE POLYMORPHISM AND METHODS OF DETERMINING CANCER
; FILE REFERENCE: UCSF1120-2
; CURRENT APPLICATION NUMBER: US/10/209,324
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/334,146
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: US 60/308,911
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 14
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Probe sequence

```

US-10-209-324-14

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels

QY 754 TAATATGGTCAAGA 768
||| ||| ||| ||| |||
Db 15 TAAAATCGGCCAAGA 1

RESULT 315

US-10-008-029-50
; Sequence 50, Application US/10008029
; Publication No. US20030134808A1

```

; GENERAL INFORMATION:
;
; APPLICANT: WENGEL, JESPER
;
; APPLICANT: NIELSEN, POUL
;
; TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES
;
; FILE REFERENCE: 49165-C2(71994)
;
; CURRENT APPLICATION NUMBER: US/10/008,029
;
; CURRENT FILING DATE: 2001.11.05
;

```

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CURRENT FILING DATE: 2001-12-05
PRIORITY APPLICATION NUMBER: 09/152,059
PRIORITY FILING DATE: 1998-09-11
PRIORITY APPLICATION NUMBER: 60/058,541
PRIORITY FILING DATE: 1997-09-12
PRIORITY APPLICATION NUMBER: 60/068,293
PRIORITY FILING DATE: 1997-12-19
PRIORITY APPLICATION NUMBER: 60/071,682
PRIORITY FILING DATE: 1998-01-16
PRIORITY APPLICATION NUMBER: 60/076,591
PRIORITY FILING DATE: 1998-03-03
PRIORITY APPLICATION NUMBER: 60/083,507
PRIORITY FILING DATE: 1998-04-29
PRIORITY APPLICATION NUMBER: 60/088,309
PRIORITY FILING DATE: 1998-06-05
PRIORITY APPLICATION NUMBER: 60/094,355
PRIORITY FILING DATE: 1998-07-28
NUMBER OF SEQ ID NOS: 146
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 50

```

```

; LENGTH: 15
; TYPE: DNA

```

```

; ORGANISM: Artificial Sequence
;
; FEATURE:
;
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-008-029-50

```

US-10-008-029-50

Query Match	8.4%;	Score 10.2;	DB 1;	Length 15;
Best Local Similarity	80.0%;	Pred. No. 1.5e+02;		
Matches 12: Conservative	0;	Mismatches 3;	Indels 0;	Gaps 0;

Qy 655 CAGCTTTGGACAGAG 669
||| | |||||
Db 1 CAGCAGTTCGACAGAG 15

RESULT 316

US-10-008-029-51
; Sequence 51, Application US/10008029
: Publication No. US20030134808A1

; GENERAL INFORMATION: ;
 ; APPLICANT: WENGEL, JESPER ;
 ; APPLICANT: NIELSEN, POUL ;
 ; TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES ;
 ; FILE REFERENCE: 49165-C2(71994) ;
 ; CURRENT APPLICATION NUMBER: US/10/008,029 ;

```

: CURRENT FILING DATE: 2001-11-05
:
: PRIOR APPLICATION NUMBER: 09/152,059
:
: PRIOR FILING DATE: 1998-09-11
:
: PRIOR APPLICATION NUMBER: 60/058,541
:
: PRIOR FILING DATE: 1997-09-11
:

```

PRIOB FTLING DATE: 1997-09-12

```

, PRIOR APPLICATION NUMBER: 60/068,293
,
, PRIOR FILING DATE: 1997-12-19
,
, PRIOR APPLICATION NUMBER: 60/071,682
,
, PRIOR FILING DATE: 1998-01-16
,
, PRIOR APPLICATION NUMBER: 60/076,591
,
, PRIOR FILING DATE: 1998-03-03
,
, PRIOR APPLICATION NUMBER: 60/083,507
,
, PRIOR FILING DATE: 1998-04-29
,
, PRIOR APPLICATION NUMBER: 60/088,309
,
, PRIOR FILING DATE: 1998-06-05
,
, PRIOR APPLICATION NUMBER: 60/094,355
,
, PRIOR FILING DATE: 1998-07-28
,
, NUMBER OF SEQ ID NOS: 146
,
, SOFTWARE: Patent in Ver. 2.1
,
, SEQ ID NO 51
,
, LENGTH: 15
,
, TYPE: DNA
,
, ORGANISM: Artificial Sequence
,
, FEATURE:
,
, OTHER INFORMATION: Description of Artificial Sequence: LNA modified
,
, NAME/KEY: modified_base
,
, LOCATION: (7)
,
, OTHER INFORMATION: LNA monomer
,
, US-10-008-029-51

```

Query Match	8.4%;	Score 10.2;	DB 1;	Length 15;
Best Local Similarity	80.0%;	Pred. No. 1.5e+02;		
Matches 12: Conservative	0;	Mismatches 3;	Indels	

Qy 655 CAGCTTTGGACAGAG 669
||| | |||||
Db 1 CAGCAGTCGACAGAG 15

RESULT 317

US-10-208-650-50
; Sequence 50, Application US/10208650
; Publication No. US20030144231A1

```

; GENERAL INFORMATION:
; APPLICANT: WENGEL, JESPER
; APPLICANT: NIELSEN, POUL
; TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES
; FILE REFERENCE: 49145-C2 (71/994)
; CURRENT APPLICATION NUMBER: US/10/208, 650
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US/10/008, 029
; PRIOR FILING DATE: 2001-11-05

```

OTHER INFORMATION

Query Match 8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.5e+02;
Matches 12; Conservative 0; Mismatches 3; Indels

Qy 655 CAGCTTTGGACAGAG 669
||| | |||||
Db 1 CAGCAGTTCGACAGAG 15

RESULT 316

US-10-008-029-51
; Sequence 51, Application US/10008029
: Publication No. US20030134808A1

; GENERAL INFORMATION: ;
 ; APPLICANT: WENGEL, JESPER ;
 ; APPLICANT: NIELSEN, POUL ;
 ; TITLE OF INVENTION: OLIGONUCLEOTIDE ANALOGUES ;
 ; FILE REFERENCE: 49165-C2(71994) ;
 ; CURRENT APPLICATION NUMBER: US/10/008,029 ;

```

: CURRENT FILING DATE: 2001-11-05
:
: PRIOR APPLICATION NUMBER: 09/152,059
:
: PRIOR FILING DATE: 1998-09-11
:
: PRIOR APPLICATION NUMBER: 60/058,541
:
: PRIOR FILING DATE: 1997-09-11
:

```

PRIOB FTLING DATE: 1997-09-12

FEATURE: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: oligonucleotide
OTHER INFORMATION:


```

; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: US 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: US 60/409,293
; PRIOR FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: US 60/440,129
; PRIOR FILING DATE: 2003-01-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1234
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 114
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Human immunodeficiency virus
US-10-420-194-114

Query Watch      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 60.0%; Pred. No. 1.5e+02;
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGGCCA 724
   1 AUUUGCUGAGGGCUA 15
   :|||:||||
   :|||:||||

Db 1 AUUUGCUGAGGGCUA 15
   :|||:||||
   :|||:||||

RESULT 323
US-10-293-222-116/c
; Sequence 116, Application US/10293222
; Publication No. US20040033932A1
; GENERAL INFORMATION:
; APPLICANT: Versteeg, Rogier
; APPLICANT: Caron, Hubertus N.
; TITLE OF INVENTION: MYC targets
; FILE REFERENCE: 2183-5580US
; CURRENT APPLICATION NUMBER: US/10/293,222
; CURRENT FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: PCT/NL01/00361
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: EP 00201698.8
; PRIOR FILING DATE: 2000-05-11
; PRIOR APPLICATION NUMBER: EP 00202284.6
; PRIOR FILING DATE: 2000-06-29
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 116
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-293-222-116

Query Match      8.3%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTA 749
   10 TTGAGGATTA 1
   |||||
   |||||

Db 10 TTGAGGATTA 1
   |||||
   |||||

RESULT 324
US-10-044-674-71
; Sequence 71, Application US/10044674
; Publication No. US20030175710A1
; GENERAL INFORMATION:
; APPLICANT: Chew, Anne
; APPLICANT: Denton, R. Rex
; APPLICANT: Bieglecki, Karlyn M
; APPLICANT: Nandabalan, Krishnan
; APPLICANT: Stephens, J. Claiborne
; TITLE OF INVENTION: HAPLOTYPES OF THE TNFRSF1B GENE
; FILE REFERENCE: TNFRSF1B.MW-0001US (CIP)
; CURRENT APPLICATION NUMBER: US/10/044,674
; CURRENT FILING DATE: 2002-01-09

```

; PRIOR APPLICATION NUMBER: PCT/US00/18803
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.11
; SEQ ID NO 71
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-044-674-71

Query Match 8.3%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 675 ACTTTGCAGC 684
|||||
DB 1 ACTTTGCAGC 10

RESULT 325

US-10-683-775-9
; Sequence 9, Application US/10683775
; Publication No. US20040063186A1
; GENERAL INFORMATION:
; APPLICANT: McGrew, Jeffrey T.
; TITLE OF INVENTION: VECTORS AND METHODS FOR RECOMBINANT PROTEIN EXPRESSION
; CURRENT APPLICATION NUMBER: US/10/683,775
; CURRENT FILING DATE: 2003-10-10
; PRIOR APPLICATION NUMBER: US/09/687,050
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/159,177
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9
; LENGTH: 11
; TYPE: DNA
; ORGANISM: EMCV
US-10-683-775-9

Query Match 8.3%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 87;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 TGATAATATG 760
|||||
DB 2 TGATAATATG 11

RESULT 326

US-09-504-231A-1407/c
; Sequence 1407, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27

; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1407
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-1407

Query Match 8.3%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 660 TTGGACAGAG 669
|||||
DB 11 TTGGACAGAG 2

RESULT 327

US-09-274-553D-1407/c
; Sequence 1407, Application US/09274553D
; Patent No. US20020082225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELAT
; TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; CURRENT FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1407
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-1407

Query Match 8.3%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 660 TTGGACAGAG 669
|||||
DB 11 TTGGACAGAG 2

RESULT 328

US-09-504-231A-884/c
; Sequence 884, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELAT
; TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A


```
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 884
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-884

Query Match      8.3%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      660 TTGGACAGAG 669
Db      15 TTGGACAGAG 6

RESULT 329
US-09-274-553D-884/c
; Sequence 884, Application US/09274553D
; Patent No. US20020082225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggan, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATED TO HEPATITIS C VIRUS INFECTION
; FILE REFERENCE: rpi 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; CURRENT FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 984
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-884

Query Match      8.3%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      660 TTGGACAGAG 569
Db      15 TTGGACAGAG 6

RESULT 330
US-10-010-802-216/c
; Sequence 216, Application US/10010802
; Publication No. US20030078220A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Genessee Pharmaceuticals
; APPLICANT: Chew, Anne
; APPLICANT: Denton, R. Rex
; APPLICANT: Duda, Amy
; APPLICANT: Nandabalan, Krishnan
; APPLICANT: Stephens, J. Claiborne
; APPLICANT: Windemuth, Andreas
; TITLE OF INVENTION: Drug Target Isoenes: Polymorphisms in the Interleukin
; FILE REFERENCE: MWH-0002US2 IL4R alpha
; CURRENT APPLICATION NUMBER: US/10/010,902
; CURRENT FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: PCT/US00/19094
; PRIOR FILING DATE: 2000-07-13
; NUMBER OF SEQ ID NOS: 413
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 216
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-010-802-216

Query Match      8.3%; Score 10; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      716 TGTGGCCCAT 725
Db      14 TGTGGCCCAT 5

RESULT 331
US-08-591-486B-170/c
; Sequence 170, Application US/08591486B
; Publication No. US20020037856A1
; GENERAL INFORMATION:
; APPLICANT: Schlingensiepen, Georg F
; APPLICANT: Schlingensiepen, Reimer
; APPLICANT: Schlingensiepen, Karl-Hermann
; APPLICANT: Göttingen, Wolfgang Brysch
; TITLE OF INVENTION: A Pharmaceutical Composition
; TITLE OF INVENTION: Comprising Antisense-Nucleic Acid for Prevention and/or Treatm
; TITLE OF INVENTION: of Neuronal Injury, Degeneration and Cell Death and for the
; NUMBER OF SEQUENCES: 185
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jacobson, Price, Holman & Stern
; STREET: 400 Seventh Street, N.W.
; CITY: Washington, D.C.
; COUNTRY: U.S.A.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/591,486B
; FILING DATE: 11-JAN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 9311059.7
; FILING DATE: 10-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP94/02218
; FILING DATE: 6-JUL-1994
; NAME: Player, William E.
; REGISTRATION NUMBER: 31,409
; REFERENCE/DOCKET NUMBER: 10496/P60122
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 638-6666
; TELEFAX: (202) 393-9350
```

TELEX: RCA 248593 IDEA UR
INFORMATION FOR SEQ ID NO: 170:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: YES
US-08-591-486B-170

Query Match 8.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 671 GTTACTTTGGAG 683
DB 13 GTCTGCTTGGAG 1

RESULT 332

US-10-119-520C-8
Sequence 8, Application US/10119520C
Publication No. US20030190627A1
GENERAL INFORMATION:
APPLICANT: Zhao, Xiaodong
APPLICANT: Gelfand, Craig A.
APPLICANT: Swenson, Rolf E.
TITLE OF INVENTION: Primer Extension Using Modified
TITLE OF INVENTION: Nucleotides
FILE REFERENCE: 13163US
CURRENT APPLICATION NUMBER: US/10/119,520C
CURRENT FILING DATE: 2002-01-21
NUMBER OF SEQ ID NOS: 22
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 8
LENGTH: 14
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Commercially obtained template
US-10-119-520C-8

Query Match 8.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.5e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 694 TGATTGCTGTACC 706
DB 1 TGATTACGGTACC 13

RESULT 333

US-10-440-850-449/c
Sequence 449, Application US/10440850
Publication No. US20030207837A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Jarvis, Thale
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reversal
TITLE OF INVENTION: Immune Responses
FILE REFERENCE: 250/130 (MBH00-900-A)
CURRENT APPLICATION NUMBER: US/10/440,850
CURRENT FILING DATE: 2003-05-19
PRIOR APPLICATION NUMBER: US/09/650,012
PRIOR FILING DATE: 2000-08-28
PRIOR APPLICATION NUMBER: US 08/585,684
PRIOR FILING DATE: 1996-01-12
PRIOR APPLICATION NUMBER: US 60/000,951
PRIOR FILING DATE: 1995-07-07
PRIOR APPLICATION NUMBER: US 09/038,073

PRIOR FILING DATE: 1998-03-11
NUMBER OF SEQ ID NOS: 2285
SOFTWARE: PatentIn version 3.0
SEQ ID NO 449
LENGTH: 15
TYPE: RNA
ORGANISM: Mus musculus
US-10-440-850-449

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 760 GGGTCAGAGATC 772
DB 15 GGGTAGAGAGATC 3

RESULT 334

US-09-504-231A-215/c
Sequence 215, Application US/09504231A
Patent No. US20020013458A1
GENERAL INFORMATION:
APPLICANT: Blatt, Lawrence
APPLICANT: McSwiggen, James
APPLICANT: Roberts, Beth
APPLICANT: Pavco, Pamela
APPLICANT: Macejak, Dennis
TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELAT
TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
FILE REFERENCE: IPI 247/282
CURRENT APPLICATION NUMBER: US/09/504,231A
CURRENT FILING DATE: 2000-02-15
PRIOR APPLICATION NUMBER: 09/274,553
PRIOR FILING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: 09/257,608
PRIOR FILING DATE: 1999-02-24
PRIOR APPLICATION NUMBER: 60/100,842
PRIOR FILING DATE: 1998-09-18
PRIOR APPLICATION NUMBER: 60/083,217
PRIOR FILING DATE: 1998-04-27
NUMBER OF SEQ ID NOS: 3242
SOFTWARE: PatentIn version 3.0
SEQ ID NO 215
LENGTH: 15
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-215

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 760 GGGTCAGAGATC 772
DB 13 GGGCAGAGAGATC 1

RESULT 335

US-09-504-231A-611/c
Sequence 611, Application US/09504231A
Patent No. US20020013458A1
GENERAL INFORMATION:
APPLICANT: Blatt, Lawrence
APPLICANT: McSwiggen, James
APPLICANT: Roberts, Beth
APPLICANT: Pavco, Pamela
APPLICANT: Macejak, Dennis
TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELAT
TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
FILE REFERENCE: IPI 247/282

; CURRENT APPLICATION NUMBER: US/09/504,231A
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 611
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-611

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 722 CCATCTAGACCTT 734
| |||||
DB 15 CAATCAAGACCTT 3

RESULT 336
US-09-504-231A-612/c
; Sequence 612, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATI
; FILE REFERENCE: fpi 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 612
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-612

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 722 CCATCTAGACCTT 734
| |||||
DB 13 CAATCAAGACCTT 1

RESULT 337
US-09-504-231A-847

; Sequence 847, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATI
; FILE REFERENCE: fpi 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 847
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-847

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 69.2%; Pred. No. 1.7e+02;
Matches 9; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 719 GGCGCATCTAGAC 731
| |||||
DB 1 GGCCCAUCUACAC 13

RESULT 338
US-09-274-553D-215/c
; Sequence 215, Application US/09274553D
; Patent No. US2002008225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATI
; FILE REFERENCE: fpi 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; CURRENT FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 215
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-215

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 760 GGGTCAAGAGTC 772
||| ||| ||| ||| |||
Db 13 GGGCAAGAGTC 1

RESULT 339

US-09-274-553D-611/c
; Sequence 611, Application US/09274553D
; Patent No. US20020082225A1

GENERAL INFORMATION:

; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela

; APPLICANT: Macejak, Dennis

; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE

; FILE REFERENCE: IPI 247/282

; CURRENT FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

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; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

; PRIOR FILING DATE: 1999-03-23

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MAR-1999
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: McMaisters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 320010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 631:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-263-959-631

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 14 AATAATGATAATA 2

RESULT 343
US-10-172-428-5/c
Sequence 5, Application US/10172428
Publication No. US20030211488A1
GENERAL INFORMATION:
APPLICANT: Mirkin, Chad
APPLICANT: Cao, Yun-Wei
APPLICANT: Jin, Rongchao
TITLE OF INVENTION: Nanoparticle Probes with Raman Spectroscopic Fingerprints for Ana
FILE REFERENCE: MH802-338-B
CURRENT APPLICATION NUMBER: US/10/172,428
CURRENT FILING DATE: 2002-06-14
PRIOR APPLICATION NUMBER: US 60/378,538
PRIOR FILING DATE: 2002-05-07
PRIOR APPLICATION NUMBER: US 60/383,630
PRIOR FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.1
SEQ ID NO 5
LENGTH: 15
TYPE: DNA
ORGANISM: Variola virus
US-10-172-428-5

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 678 TTGCAGCGGAGCA 690
Db 13 TTGTAACGGAGA 1

RESULT 344
US-10-220-955-40
Sequence 40, Application US/10220955
Publication No. US20030211989A1
GENERAL INFORMATION:
APPLICANT: PLOWMAN, GREGORY D.
APPLICANT: WHYTE, DAVID
APPLICANT: MANNING, GERARD

APPLICANT: SUDARSANAM, SUCHA
APPLICANT: MARTINEZ, RICARDO
TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES AND PROTEIN KINASE-LIKE
TITLE OF INVENTION: ENZYMES
FILE REFERENCE: 038602-1401
CURRENT APPLICATION NUMBER: US/10/220,955
CURRENT FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 40
LENGTH: 15
TYPE: DNA
ORGANISM: Homo sapiens
US-10-220-955-40

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 708 GAAATTGCTGTGG 720
Db 1 GAAATTTTGTGG 13

RESULT 345
US-10-339-674-2286
Sequence 2286, Application US/10339674
Publication No. US20030204318A1
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Escherichia coli K-12 MG1655 complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/339,674
CURRENT FILING DATE: 2003-06-06
NUMBER OF SEQ ID NOS: 3537
SOFTWARE: Proprietary
SEQ ID NO 2286
LENGTH: 15
TYPE: DNA
ORGANISM: Escherichia coli K-12 MG1655 complete genome.
FEATURE:
LOCATION: (3118458)...(3118472)
OTHER INFORMATION: Chromosome = 1 Strand = positive
US-10-339-674-2286

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 691 TACTGATTGCTGT 703
Db 1 TGCTGATTGCCGT 13

RESULT 346
US-10-056-414-257/c
Sequence 257, Application US/10056414
Publication No. US20030003469A1
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
Draper, Kenneth G.
McSwiggen, James
TITLE OF INVENTION: RIBOZYME TREATMENT OF
DISEASES OR CONDITIONS
RELATED TO LEVELS OF
NF-KB
NUMBER OF SEQUENCES: 830
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
Suite 4700
CITY: Los Angeles
STATE: California

COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/056,414
FILING DATE: 23-Jan-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/291,932A
FILING DATE: August 15, 1994
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburz, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/157
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 257:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 257:
US-10-056-414-257
Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 729 GACCTTTTACCTT 741
DB 15 GTCCCTTTACGTT 3
RESULT 347
US-10-043-875-34/c
; Sequence 34, Application US/10043875
; Publication No. US20030054339A1
; GENERAL INFORMATION:
; APPLICANT: De Smet, Koenraad
; APPLICANT: Scuyver, Lieve
; TITLE OF INVENTION: Method for Detection of Drug-Induced Mutations in the HIV Reverse
; TITLE OF INVENTION: Transcriptase Gene
; FILE REFERENCE: 11362-0033-NPUS01 (INNS:033)
; CURRENT APPLICATION NUMBER: US/10/043,875
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: 60/286,102
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: EP 01870085.6
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: EP 01870005.4
; PRIOR FILING DATE: 2001-01-11
; NUMBER OF SEQ ID NOS: 884
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus
; US-10-043-875-34
Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Matches	11;	Conservative	0;	Mismatches	2;	Indels	0;	Gaps	0;
QY	689	GATACGATGCT	701						
Db	15	GTTACTGATTCT	3						
RESULT 348									
US-10-010-802-150/c									
; Sequence 150, Application US/10010802									
; Publication No. US20030078220A1									
; GENERAL INFORMATION:									
; APPLICANT: Genaisance Pharmaceuticals									
; APPLICANT: Chew, Anne									
; APPLICANT: Denton, R. Rex									
; APPLICANT: Duda, Amy									
; APPLICANT: Nandabalan, Krishnan									
; APPLICANT: Stephens, J. Claiborne									
; APPLICANT: Windemuth, Andreas									
; TITLE OF INVENTION: Drug Target Isoenes: Polymorphisms in the Interleukin									
; FILE REFERENCE: MMH-0002US2 IL4R alpha									
; CURRENT APPLICATION NUMBER: US/10/010,802									
; CURRENT FILING DATE: 2001-11-09									
; PRIOR APPLICATION NUMBER: PCT/US00/19094									
; PRIOR FILING DATE: 2000-07-13									
; NUMBER OF SEQ ID NOS: 413									
; SOFTWARE: PatentIn Ver. 2.1									
; SEQ ID NO 150									
; LENGTH: 15									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
US-10-010-802-150									
Query Match 8.1%; Score 9.8; DB 1; Length 15;									
Best Local Similarity 84.6%; Pred. No. 1.7e+02;									
Matches	11;	Conservative	0;	Mismatches	2;	Indels	0;	Gaps	0;
QY	661	TGGACAGAGGCTT	673						
Db	14	TGGAGGGAGGCTT	2						
RESULT 349									
US-10-292-198-119/c									
; Sequence 119, Application US/10292198									
; Publication No. US20030157654A1									
; GENERAL INFORMATION:									
; APPLICANT: SHEN, Ben									
; APPLICANT: LIU, Wen									
; TITLE OF INVENTION: BIOSYNTHESIS OF ENEDIYNE COMPOUNDS BY MANIPULATION OF C-1									
; FILE REFERENCE: 054030-0007									
; CURRENT APPLICATION NUMBER: US/10/292,198									
; CURRENT FILING DATE: 2003-03-14									
; PRIOR APPLICATION NUMBER: US 10/159,257									
; PRIOR FILING DATE: 2002-05-31									
; PRIOR APPLICATION NUMBER: US 09/478,188									
; PRIOR FILING DATE: 2000-01-05									
; PRIOR APPLICATION NUMBER: US 60/115,434									
; PRIOR FILING DATE: 1999-01-06									
; NUMBER OF SEQ ID NOS: 146									
; SOFTWARE: PatentIn version 3.2									
; SEQ ID NO 119									
; LENGTH: 15									
; TYPE: DNA									
; ORGANISM: Streptomyces globisporus									
US-10-292-198-119									
Query Match 8.1%; Score 9.8; DB 1; Length 15;									
Best Local Similarity 84.6%; Pred. No. 1.7e+02;									
Matches	11;	Conservative	0;	Mismatches	2;	Indels	0;	Gaps	0;

Qy 714 GCTGTGGCCATC 726
Db 15 GCAGTGGGTCATC 3

RESULT 350

US-10-279-061-48
; Sequence 48, Application US/10279061
; Publication No. US20030170811A1
; GENERAL INFORMATION:
; APPLICANT: UEDA, IKUO
; APPLICANT: NIWA, MINEO
; APPLICANT: SAITO, YOSHIMASA
; APPLICANT: YAMADA, HISASHI
; APPLICANT: ISHII, YOSHINORI
; TITLE OF INVENTION: PROCESS FOR THE PRODUCTION OF ALPHA-HUMAN ATRIAL NATRIURETIC POLY
; FILE REFERENCE: 0018-1100-00CNT
; CURRENT APPLICATION NUMBER: US/10/279,061
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: US/09/531,488B
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: 08/638,941
; PRIOR FILING DATE: 1996-04-25
; PRIOR APPLICATION NUMBER: UK 8515686
; PRIOR FILING DATE: 1985-06-20
; PRIOR APPLICATION NUMBER: UK 8600754
; PRIOR FILING DATE: 1986-01-14
; PRIOR APPLICATION NUMBER: 08/370,356
; PRIOR FILING DATE: 1995-01-09
; PRIOR APPLICATION NUMBER: 08/073,043
; PRIOR FILING DATE: 1993-06-08
; PRIOR APPLICATION NUMBER: 07/385,952
; PRIOR FILING DATE: 1989-07-28
; PRIOR APPLICATION NUMBER: 06/875,880
; PRIOR FILING DATE: 1986-06-18
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic DNA
US-10-279-061-48

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 748 TATTCATTAATG 760
Db 3 TATCATAAATG 15

RESULT 351

US-10-044-674-55/c
; Sequence 55, Application US/10044674
; Publication No. US2003017510A1
; GENERAL INFORMATION:
; APPLICANT: Chew, Anne
; APPLICANT: Denton, R. Rex
; APPLICANT: Bieglecki, Karyn M
; APPLICANT: Nandabalan, Krishnan
; APPLICANT: Stephens, J. Claiborne
; TITLE OF INVENTION: HAPLOTYPES OF THE TNFRSF11B GENE
; FILE REFERENCE: TNFRSF11B_MWH-0001US (CIP)
; CURRENT APPLICATION NUMBER: US/10/044,674
; CURRENT FILING DATE: 2002-01-09
; PRIOR APPLICATION NUMBER: PCT/US00/18803
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55

; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-044-674-55

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 679 TGCAGCGGAAGAT 691
Db 13 TGCAGCGGCACAT 1

RESULT 352

US-10-440-850-450/c
; Sequence 450, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reve
; FILE REFERENCE: 250/130 (MSHB00-900-A)
; CURRENT APPLICATION NUMBER: US/10/440,850
; CURRENT FILING DATE: 2003-05-19
; PRIOR APPLICATION NUMBER: US/09/650,012
; PRIOR FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 08/585,684
; PRIOR FILING DATE: 1996-01-12
; PRIOR APPLICATION NUMBER: US 60/000,951
; PRIOR FILING DATE: 1995-07-07
; PRIOR APPLICATION NUMBER: US 09/038,073
; PRIOR FILING DATE: 1998-03-11
; NUMBER OF SEQ ID NOS: 2285
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 450
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Mus musculus
US-10-440-850-450

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 760 GGGTCAAGAGATC 772
Db 13 GGGTAGAGAGATC 1

RESULT 353

US-10-440-850-709/c
; Sequence 709, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Immune Responses
; FILE REFERENCE: 250/130 (MSHB00-900-A)
; CURRENT APPLICATION NUMBER: US/10/440,850
; CURRENT FILING DATE: 2003-05-19
; PRIOR APPLICATION NUMBER: US/09/650,012
; PRIOR FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 08/585,684
; PRIOR FILING DATE: 1996-01-12
; PRIOR APPLICATION NUMBER: US 60/000,951
; PRIOR FILING DATE: 1995-07-07

```
; PRIOR APPLICATION NUMBER: US 09/038,073
; PRIOR FILING DATE: 1998-03-11
; NUMBER OF SEQ ID NOS: 2285
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 709
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Mus musculus
US-10-440-850-709
```

```
Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred.No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      687 AAGATAAGGATTG 699
Db      13 AAGATAAGGATTG 1
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```
RESULT 354
US-10-440-850-733/c
; Sequence 733, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reversal
; FILE REFERENCE: 250/130 (MEHB00-900-A)
; CURRENT APPLICATION NUMBER: US/10/440,850
; CURRENT FILING DATE: 2003-05-19
; PRIOR APPLICATION NUMBER: US/09/650,012
; PRIOR FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 08/585,684
; PRIOR FILING DATE: 1996-01-12
; PRIOR APPLICATION NUMBER: US 60/000,951
; PRIOR FILING DATE: 1995-07-07
; PRIOR APPLICATION NUMBER: US 09/038,073
; PRIOR FILING DATE: 1998-03-11
; NUMBER OF SEQ ID NOS: 2285
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 733
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Mus musculus
US-10-440-850-733
```

```
Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred.No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      740 TTGAGGATTATTG 752
Db      13 TCGAGGATTATTG 1
```

```
RESULT 355
US-10-440-850-983/c
; Sequence 983, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reversal
; FILE REFERENCE: 250/130 (MEHB00-900-A)
; CURRENT APPLICATION NUMBER: US/10/440,850
; CURRENT FILING DATE: 2003-05-19
; PRIOR APPLICATION NUMBER: US/09/650,012
```

```
; PRIOR FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 08/585,684
; PRIOR FILING DATE: 1996-01-12
; PRIOR APPLICATION NUMBER: US 60/000,951
; PRIOR FILING DATE: 1995-07-07
; PRIOR APPLICATION NUMBER: US 09/038,073
; PRIOR FILING DATE: 1998-03-11
; NUMBER OF SEQ ID NOS: 2285
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 983
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Mus musculus
US-10-440-850-983
```

```
Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred.No. 1.7e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      705 CCGGAAATGCTG 717
Db      14 CCGGAAATGCTG 2
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Search completed: April 27, 2004, 15:05:47
Job time : 2 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 27, 2004, 15:27:16 ; Search time 3 Seconds
(without alignments)
2.448 Million cell updates/sec

Title: us-09-828-344-3

Perfect score: 121

Sequence: 1 gaacagctttgacagaggg.....ataatatgggtcaagaagtc 121

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 0.5

Searched: 2348 seqs, 30341 residues

Total number of hits satisfying chosen parameters: 4696

Minimum DB seq length: 8

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 2512 summaries

Database : rnpn.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	15.4	12.7	20	1	PCT-US03-37082A-30
C 2	15.4	12.7	20	1	PCT-US03-37082A-108
C 3	14.6	12.1	21	1	PCT-US04-00035-10589
C 4	14.6	12.1	21	1	PCT-US04-00035-10736
C 5	14.6	12.1	21	1	US-10-770-726-44563
C 6	14.6	12.1	21	1	US-10-770-726-44566
C 7	14.2	11.7	21	1	US-10-770-726-19413
C 8	13.8	11.4	21	1	US-10-770-726-32932
C 9	13.4	11.1	16	1	PCT-US03-27118-52
C 10	13.2	10.9	20	1	US-10-021-698A-5432
C 11	13	10.7	13	1	US-10-257-017B-171709
C 12	13	10.7	13	1	US-10-257-017B-171710
C 13	12.8	10.6	19	1	US-10-664-668-196
C 14	12.8	10.6	19	1	US-10-664-668-623
C 15	12.8	10.6	19	1	US-10-665-951-196
C 16	12.8	10.6	19	1	US-10-665-951-623
C 17	12.6	10.4	19	1	US-10-664-668-1051
C 18	12.6	10.4	19	1	US-10-664-668-1375
C 19	12.6	10.4	19	1	US-10-665-951-1051
C 20	12.6	10.4	19	1	US-10-665-951-1375
C 21	12.4	10.2	18	1	US-09-723-000A-10
C 22	12.2	10.1	18	1	PCT-US03-02038-176
C 23	12.2	10.1	18	1	US-10-796-307-43929
C 24	12	9.9	12	1	US-10-257-017B-324862
C 25	12	9.9	12	1	US-10-257-017B-324862
C 26	12	9.9	13	1	US-10-257-017B-4181
C 27	12	9.9	13	1	US-10-257-017B-4182
C 28	12	9.9	13	1	US-10-257-017B-64775
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C 31	12	9.9	13	1	US-10-257-017B-67110
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C 108	11	9.1	13	1	US-10-257-017B-110675	Sequence 110675,	C 181	10.4	8.6	12	1	US-10-257-017B-308437	Sequence 308437,
C 109	11	9.1	13	1	US-10-257-017B-110676	Sequence 110676,	C 182	10.4	8.6	12	1	US-10-257-017B-310712	Sequence 310712,
C 110	11	9.1	13	1	US-10-257-017B-110677	Sequence 110677,	C 183	10.4	8.6	12	1	US-10-257-017B-314904	Sequence 314904,
C 111	11	9.1	13	1	US-10-257-017B-110678	Sequence 110678,	C 184	10.4	8.6	12	1	US-10-257-017B-316273	Sequence 316273,
C 112	11	9.1	13	1	US-10-257-017B-142043	Sequence 142043,	C 185	10.4	8.6	12	1	US-10-257-017B-323259	Sequence 323259,
C 113	11	9.1	13	1	US-10-257-017B-142044	Sequence 142044,	C 186	10.4	8.6	12	1	US-10-257-017B-325748	Sequence 325748,
C 114	11	9.1	13	1	US-10-257-017B-145821	Sequence 145821,	C 187	10.4	8.6	12	1	US-10-257-017B-327192	Sequence 327192,
C 115	11	9.1	13	1	US-10-257-017B-145822	Sequence 145822,	C 188	10.4	8.6	12	1	US-10-257-017B-329669	Sequence 329669,
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C 117	11	9.1	13	1	US-10-257-017B-158310	Sequence 158310,	C 190	10.4	8.6	12	1	US-10-257-017B-332759	Sequence 332759,
C 118	11	9.1	13	1	US-10-257-017B-161803	Sequence 161803,	C 191	10.4	8.6	12	1	US-10-257-017B-333737	Sequence 333737,
C 119	11	9.1	13	1	US-10-257-017B-161804	Sequence 161804,	C 192	10.4	8.6	12	1	US-10-257-017B-340828	Sequence 340828,
C 120	11	9.1	13	1	US-10-257-017B-178109	Sequence 178109,	C 193	10.4	8.6	12	1	US-10-257-017B-342467	Sequence 342467,
C 121	11	9.1	13	1	US-10-257-017B-178110	Sequence 178110,	C 194	10.4	8.6	12	1	US-10-257-017B-344260	Sequence 344260,
C 122	11	9.1	13	1	US-10-257-017B-181587	Sequence 181587,	C 195	10.4	8.6	12	1	US-10-257-017B-344348	Sequence 344348,
C 123	11	9.1	13	1	US-10-257-017B-181588	Sequence 181588,	C 196	10.4	8.6	12	1	US-10-257-017B-345817	Sequence 345817,
C 124	11	9.1	13	1	US-10-257-017B-183267	Sequence 183267,	C 197	10.4	8.6	12	1	US-10-257-017B-346958	Sequence 346958,
C 125	11	9.1	13	1	US-10-257-017B-183268	Sequence 183268,	C 198	10.4	8.6	12	1	US-10-257-017B-347042	Sequence 347042,
C 126	11	9.1	13	1	US-10-257-017B-193905	Sequence 193905,	C 199	10.4	8.6	12	1	US-10-257-017B-348024	Sequence 348024,
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C 134	11	9.1	13	1	US-10-257-017B-227277	Sequence 227277,	C 207	10.4	8.6	12	1	US-10-257-017B-356295	Sequence 356295,
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C 136	11	9.1	13	1	US-10-257-017B-227279	Sequence 227279,	C 209	10.4	8.6	12	1	US-10-257-017B-360092	Sequence 360092,
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C 142	11	9.1	13	1	US-10-708-951-37871	Sequence 37871, A	C 215	10.4	8.6	12	1	US-10-257-017B-365440	Sequence 365440,
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C 144	11	9.1	13	1	US-10-708-951-52686	Sequence 52686, A	C 217	10.4	8.6	12	1	US-10-257-017B-368341	Sequence 368341,
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C 147	11	9.1	13	1	US-10-708-951-37101	Sequence 37101, A	C 220	10.4	8.6	12	1	US-10-257-017B-372511	Sequence 372511,
C 148	11	9.1	13	1	US-10-708-951-52687	Sequence 52687, A	C 221	10.4	8.6	12	1	US-10-257-017B-373651	Sequence 373651,
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C 150	11	9.1	13	1	US-10-708-951-36982	Sequence 36982, A	C 223	10.4	8.6	12	1	US-10-257-017B-378951	Sequence 378951,
C 151	11	9.1	13	1	US-10-708-951-48030	Sequence 48030, A	C 224	10.4	8.6	12	1	US-10-257-017B-110675	Sequence 110675,
C 152	11	9.1	13	1	US-10-708-951-52688	Sequence 52688, A	C 225	10.4	8.6	12	1	US-10-257-017B-110677	Sequence 110677,
C 153	10.8	8.9	15	1	US-60-554-170-11	Sequence 11, Appl	C 226	10.4	8.6	13	1	US-10-257-017B-110678	Sequence 110678,
C 154	10.6	8.8	13	1	US-10-257-017B-17715	Sequence 17715, A	C 227	10.4	8.6	13	1	US-10-257-017B-461	Sequence 461, App
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C 157	10.6	8.8	13	1	US-10-257-017B-70472	Sequence 70472, A	C 230	10.4	8.6	13	1	US-10-257-017B-4180	Sequence 4180, App
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C 159	10.6	8.8	13	1	US-10-257-017B-141738	Sequence 141738, A	C 232	10.4	8.6	13	1	US-10-257-017B-9662	Sequence 9662, App
C 160	10.4	8.6	12	1	US-10-257-017B-267977	Sequence 267977, A	C 233	10.4	8.6	13	1	US-10-257-017B-10169	Sequence 10169, A
C 161	10.4	8.6	12	1	US-10-257-017B-269501	Sequence 269501, A	C 234	10.4	8.6	13	1	US-10-257-017B-10170	Sequence 10170, A
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C 168	10.4	8.6	12	1	US-10-257-017B-276329	Sequence 276329, A	C 241	10.4	8.6	13	1	US-10-257-017B-23471	Sequence 23471, A
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C 256	10.4	8.6	13	1	US-10-257-017B-51126	Sequence 51126, A	C 329	10.4	8.6	13	1	US-10-257-017B-149557	Sequence 149557,
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C 258	10.4	8.6	13	1	US-10-257-017B-52438	Sequence 52438, A	C 331	10.4	8.6	13	1	US-10-257-017B-152843	Sequence 152843,
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C 265	10.4	8.6	13	1	US-10-257-017B-55387	Sequence 55387, A	C 338	10.4	8.6	13	1	US-10-257-017B-158858	Sequence 158858,
C 266	10.4	8.6	13	1	US-10-257-017B-55388	Sequence 55388, A	C 339	10.4	8.6	13	1	US-10-257-017B-159523	Sequence 159523,
C 267	10.4	8.6	13	1	US-10-257-017B-56959	Sequence 56959, A	C 340	10.4	8.6	13	1	US-10-257-017B-159524	Sequence 159524,
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C 272	10.4	8.6	13	1	US-10-257-017B-64774	Sequence 64774, A	C 345	10.4	8.6	13	1	US-10-257-017B-165741	Sequence 165741,
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C 275	10.4	8.6	13	1	US-10-257-017B-67107	Sequence 67107, A	C 348	10.4	8.6	13	1	US-10-257-017B-165854	Sequence 165854,
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C 280	10.4	8.6	13	1	US-10-257-017B-70212	Sequence 70212, A	C 353	10.4	8.6	13	1	US-10-257-017B-176989	Sequence 176989,
C 281	10.4	8.6	13	1	US-10-257-017B-71255	Sequence 71255, A	C 354	10.4	8.6	13	1	US-10-257-017B-176990	Sequence 176990,
C 282	10.4	8.6	13	1	US-10-257-017B-71256	Sequence 71256, A	C 355	10.4	8.6	13	1	US-10-257-017B-179291	Sequence 179291,
C 283	10.4	8.6	13	1	US-10-257-017B-74595	Sequence 74595, A	C 356	10.4	8.6	13	1	US-10-257-017B-179292	Sequence 179292,
C 284	10.4	8.6	13	1	US-10-257-017B-74596	Sequence 74596, A	C 357	10.4	8.6	13	1	US-10-257-017B-179293	Sequence 179293,
C 285	10.4	8.6	13	1	US-10-257-017B-75709	Sequence 75709, A	C 358	10.4	8.6	13	1	US-10-257-017B-179294	Sequence 179294,
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C 287	10.4	8.6	13	1	US-10-257-017B-76021	Sequence 76021, A	C 360	10.4	8.6	13	1	US-10-257-017B-182488	Sequence 182488,
C 288	10.4	8.6	13	1	US-10-257-017B-76022	Sequence 76022, A	C 361	10.4	8.6	13	1	US-10-257-017B-184019	Sequence 184019,
C 289	10.4	8.6	13	1	US-10-257-017B-81875	Sequence 81875, A	C 362	10.4	8.6	13	1	US-10-257-017B-184020	Sequence 184020,
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C 291	10.4	8.6	13	1	US-10-257-017B-82479	Sequence 82479, A	C 364	10.4	8.6	13	1	US-10-257-017B-185646	Sequence 185646,
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C 293	10.4	8.6	13	1	US-10-257-017B-82489	Sequence 82489, A	C 366	10.4	8.6	13	1	US-10-257-017B-191096	Sequence 191096,
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C 296	10.4	8.6	13	1	US-10-257-017B-84610	Sequence 84610, A	C 369	10.4	8.6	13	1	US-10-257-017B-193454	Sequence 193454,
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C 304	10.4	8.6	13	1	US-10-257-017B-90334	Sequence 90334, A	C 377	10.4	8.6	13	1	US-10-257-017B-207366	Sequence 207366,
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C 309	10.4	8.6	13	1	US-10-257-017B-97595	Sequence 97595, A	C 382	10.4	8.6	13	1	US-10-257-017B-208045	Sequence 208045,
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C 402	10.4	8.6	13	1	US-10-257-017B-230410	Sequence 230410,	C 475	10	8.3	12	1	US-10-257-017B-371408	Sequence 371408,
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C 436	10.4	8.6	15	1	US-10-708-951-49732	Sequence 49732, A	C 509	10	8.3	13	1	US-10-257-017B-73367	Sequence 73367, A
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C 442	10.2	8.4	15	1	US-10-708-951-47144	Sequence 47144, A	C 515	10	8.3	13	1	US-10-257-017B-87215	Sequence 87215, A
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C 470	10	8.3	12	1	US-10-257-017B-360970	Sequence 360970,	C 543	10	8.3	13	1	US-10-257-017B-139017	Sequence 139017,
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C 874	9.8	8.1	13	1	US-10-257-017B-159547	Sequence 159547,	947	13	1	US-10-257-017B-198164	Sequence 198164,
C 875	9.8	8.1	13	1	US-10-257-017B-159548	Sequence 159548,	948	13	1	US-10-257-017B-198541	Sequence 198541,
876	9.8	8.1	13	1	US-10-257-017B-160457	Sequence 160457,	949	13	1	US-10-257-017B-198542	Sequence 198542,
C 877	9.8	8.1	13	1	US-10-257-017B-160458	Sequence 160458,	950	13	1	US-10-257-017B-198543	Sequence 198543,
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C 879	9.8	8.1	13	1	US-10-257-017B-160608	Sequence 160608,	952	13	1	US-10-257-017B-198721	Sequence 198721,
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C 881	9.8	8.1	13	1	US-10-257-017B-160610	Sequence 160610,	954	13	1	US-10-257-017B-199599	Sequence 199599,
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885	9.8	8.1	13	1	US-10-257-017B-167226	Sequence 167226,	958	13	1	US-10-257-017B-203113	Sequence 203113,
C 886	9.8	8.1	13	1	US-10-257-017B-168183	Sequence 168183,	959	13	1	US-10-257-017B-203114	Sequence 203114,
887	9.8	8.1	13	1	US-10-257-017B-168184	Sequence 168184,	960	13	1	US-10-257-017B-203867	Sequence 203867,
C 888	9.8	8.1	13	1	US-10-257-017B-171033	Sequence 171033,	961	13	1	US-10-257-017B-203868	Sequence 203868,
889	9.8	8.1	13	1	US-10-257-017B-171034	Sequence 171034,	962	13	1	US-10-257-017B-203999	Sequence 203999,
C 890	9.8	8.1	13	1	US-10-257-017B-174159	Sequence 174159,	963	13	1	US-10-257-017B-204000	Sequence 204000,
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C 892	9.8	8.1	13	1	US-10-257-017B-175877	Sequence 175877,	965	13	1	US-10-257-017B-207072	Sequence 207072,
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C 894	9.8	8.1	13	1	US-10-257-017B-175879	Sequence 175879,	967	13	1	US-10-257-017B-208642	Sequence 208642,
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C 896	9.8	8.1	13	1	US-10-257-017B-176641	Sequence 176641,	969	13	1	US-10-257-017B-212720	Sequence 212720,
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C 900	9.8	8.1	13	1	US-10-257-017B-180223	Sequence 180223,	973	13	1	US-10-257-017B-219548	Sequence 219548,
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C 902	9.8	8.1	13	1	US-10-257-017B-180225	Sequence 180225,	975	13	1	US-10-257-017B-219550	Sequence 219550,
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C 904	9.8	8.1	13	1	US-10-257-017B-181303	Sequence 181303,	977	13	1	US-10-257-017B-219882	Sequence 219882,
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C 906	9.8	8.1	13	1	US-10-257-017B-182481	Sequence 182481,	979	13	1	US-10-257-017B-220022	Sequence 220022,
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C 908	9.8	8.1	13	1	US-10-257-017B-182555	Sequence 182555,	981	13	1	US-10-257-017B-222540	Sequence 222540,
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C 987	13	1	US-10-257-017B-225724	Sequence 225724,	c1060	9.8	8.1	13	1	US-10-257-017B-258749	Sequence 258749,
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C 992	13	1	US-10-257-017B-228827	Sequence 228827,	c1065	9.8	8.1	13	1	US-10-257-017B-261489	Sequence 261489,
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997	13	1	US-10-257-017B-233244	Sequence 233244,	c1070	9.8	8.1	13	1	US-10-257-017B-262424	Sequence 262424,
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C 999	13	1	US-10-257-017B-233578	Sequence 233578,	1072	9.8	8.1	13	1	US-10-257-017B-262670	Sequence 262670,
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c1149	9.4	7.8	12	1	US-10-257-017B-277280	Sequence 277280,	c1222	9.4	7.8	12	1	US-10-257-017B-305323	Sequence 305323,
c1150	9.4	7.8	12	1	US-10-257-017B-277280	Sequence 277280,	c1223	9.4	7.8	12	1	US-10-257-017B-305571	Sequence 305571,
c1151	9.4	7.8	12	1	US-10-257-017B-277502	Sequence 277502,	c1224	9.4	7.8	12	1	US-10-257-017B-306014	Sequence 306014,
c1152	9.4	7.8	12	1	US-10-257-017B-277644	Sequence 277644,	c1225	9.4	7.8	12	1	US-10-257-017B-306318	Sequence 306318,
c1153	9.4	7.8	12	1	US-10-257-017B-278054	Sequence 278054,	c1226	9.4	7.8	12	1	US-10-257-017B-306391	Sequence 306391,
c1154	9.4	7.8	12	1	US-10-257-017B-278066	Sequence 278066,	c1227	9.4	7.8	12	1	US-10-257-017B-306406	Sequence 306406,
1155	9.4	7.8	12	1	US-10-257-017B-278328	Sequence 278328,	c1228	9.4	7.8	12	1	US-10-257-017B-306582	Sequence 306582,
1156	9.4	7.8	12	1	US-10-257-017B-278581	Sequence 278581,	c1229	9.4	7.8	12	1	US-10-257-017B-307425	Sequence 307425,
1157	9.4	7.8	12	1	US-10-257-017B-278769	Sequence 278769,	c1230	9.4	7.8	12	1	US-10-257-017B-307975	Sequence 307975,
c1158	9.4	7.8	12	1	US-10-257-017B-279003	Sequence 279003,	c1231	9.4	7.8	12	1	US-10-257-017B-308210	Sequence 308210,
c1159	9.4	7.8	12	1	US-10-257-017B-279882	Sequence 279882,	c1232	9.4	7.8	12	1	US-10-257-017B-308212	Sequence 308212,
c1160	9.4	7.8	12	1	US-10-257-017B-279894	Sequence 279894,	c1233	9.4	7.8	12	1	US-10-257-017B-309019	Sequence 309019,
1161	9.4	7.8	12	1	US-10-257-017B-280416	Sequence 280416,	c1234	9.4	7.8	12	1	US-10-257-017B-309151	Sequence 309151,
c1162	9.4	7.8	12	1	US-10-257-017B-280486	Sequence 280486,	c1235	9.4	7.8	12	1	US-10-257-017B-309410	Sequence 309410,
c1163	9.4	7.8	12	1	US-10-257-017B-281144	Sequence 281144,	c1236	9.4	7.8	12	1	US-10-257-017B-309457	Sequence 309457,
c1164	9.4	7.8	12	1	US-10-257-017B-281372	Sequence 281372,	c1237	9.4	7.8	12	1	US-10-257-017B-309621	Sequence 309621,
c1165	9.4	7.8	12	1	US-10-257-017B-281439	Sequence 281439,	c1238	9.4	7.8	12	1	US-10-257-017B-310865	Sequence 310865,
c1166	9.4	7.8	12	1	US-10-257-017B-281673	Sequence 281673,	c1239	9.4	7.8	12	1	US-10-257-017B-310902	Sequence 310902,
c1167	9.4	7.8	12	1	US-10-257-017B-281821	Sequence 281821,	1240	9.4	7.8	12	1	US-10-257-017B-311015	Sequence 311015,
c1168	9.4	7.8	12	1	US-10-257-017B-282431	Sequence 282431,	1241	9.4	7.8	12	1	US-10-257-017B-311016	Sequence 311016,
1169	9.4	7.8	12	1	US-10-257-017B-282784	Sequence 282784,	c1242	9.4	7.8	12	1	US-10-257-017B-311246	Sequence 311246,
c1170	9.4	7.8	12	1	US-10-257-017B-283243	Sequence 283243,	c1243	9.4	7.8	12	1	US-10-257-017B-312036	Sequence 312036,
c1171	9.4	7.8	12	1	US-10-257-017B-283427	Sequence 283427,	1244	9.4	7.8	12	1	US-10-257-017B-312120	Sequence 312120,
c1172	9.4	7.8	12	1	US-10-257-017B-283822	Sequence 283822,	1245	9.4	7.8	12	1	US-10-257-017B-312553	Sequence 312553,
c1173	9.4	7.8	12	1	US-10-257-017B-283902	Sequence 283902,	1246	9.4	7.8	12	1	US-10-257-017B-312895	Sequence 312895,
c1174	9.4	7.8	12	1	US-10-257-017B-284003	Sequence 284003,	1247	9.4	7.8	12	1	US-10-257-017B-312971	Sequence 312971,
c1175	9.4	7.8	12	1	US-10-257-017B-284516	Sequence 284516,	1248	9.4	7.8	12	1	US-10-257-017B-313078	Sequence 313078,
c1176	9.4	7.8	12	1	US-10-257-017B-284520	Sequence 284520,	c1249	9.4	7.8	12	1	US-10-257-017B-314570	Sequence 314570,
c1177	9.4	7.8	12	1	US-10-257-017B-284820	Sequence 284820,	c1250	9.4	7.8	12	1	US-10-257-017B-315702	Sequence 315702,
c1178	9.4	7.8	12	1	US-10-257-017B-285051	Sequence 285051,	c1251	9.4	7.8	12	1	US-10-257-017B-316254	Sequence 316254,
c1179	9.4	7.8	12	1	US-10-257-017B-285322	Sequence 285322,	c1252	9.4	7.8	12	1	US-10-257-017B-316425	Sequence 316425,
c1180	9.4	7.8	12	1	US-10-257-017B-285553	Sequence 285553,	c1253	9.4	7.8	12	1	US-10-257-017B-316445	Sequence 316445,
c1181	9.4	7.8	12	1	US-10-257-017B-285635	Sequence 285635,	1254	9.4	7.8	12	1	US-10-257-017B-317159	Sequence 317159,
c1182	9.4	7.8	12	1	US-10-257-017B-286647	Sequence 286647,	c1255	9.4	7.8	12	1	US-10-257-017B-317527	Sequence 317527,
c1183	9.4	7.8	12	1	US-10-257-017B-286649	Sequence 286649,	c1256	9.4	7.8	12	1	US-10-257-017B-317606	Sequence 317606,
c1184	9.4	7.8	12	1	US-10-257-017B-286650	Sequence 286650,	c1257	9.4	7.8	12	1	US-10-257-017B-317848	Sequence 317848,
c1185	9.4	7.8	12	1	US-10-257-017B-286650	Sequence 286650,	c1258	9.4	7.8	12	1	US-10-257-017B-318241	Sequence 318241,
c1186	9.4	7.8	12	1	US-10-257-017B-287002	Sequence 287002,	c1259	9.4	7.8	12	1	US-10-257-017B-318559	Sequence 318559,
c1187	9.4	7.8	12	1	US-10-257-017B-287182	Sequence 287182,	1260	9.4	7.8	12	1	US-10-257-017B-318750	Sequence 318750,
c1188	9.4	7.8	12	1	US-10-257-017B-287350	Sequence 287350,	1261	9.4	7.8	12	1	US-10-257-017B-319420	Sequence 319420,
c1189	9.4	7.8	12	1	US-10-257-017B-288129	Sequence 288129,	1262	9.4	7.8	12	1	US-10-257-017B-319568	Sequence 319568,
c1190	9.4	7.8	12	1	US-10-257-017B-288363	Sequence 288363,	1263	9.4	7.8	12	1	US-10-257-017B-319618	Sequence 319618,
c1191	9.4	7.8	12	1	US-10-257-017B-288516	Sequence 288516,	1264	9.4	7.8	12	1	US-10-257-017B-320374	Sequence 320374,
c1192	9.4	7.8	12	1	US-10-257-017B-288857	Sequence 288857,	1265	9.4	7.8	12	1	US-10-257-017B-320797	Sequence 320797,
c1193	9.4	7.8	12	1	US-10-257-017B-290746	Sequence 290746,	1266	9.4	7.8	12	1	US-10-257-017B-320840	Sequence 320840,
c1194	9.4	7.8	12	1	US-10-257-017B-291551	Sequence 291551,	c1267	9.4	7.8	12	1	US-10-257-017B-321524	Sequence 321524,
c1195	9.4	7.8	12	1	US-10-257-017B-291833	Sequence 291833,	c1268	9.4	7.8	12	1	US-10-257-017B-321542	Sequence 321542,
c1196	9.4	7.8	12	1	US-10-257-017B-291938	Sequence 291938,	c1269	9.4	7.8	12	1	US-10-257-017B-322574	Sequence 322574,
c1197	9.4	7.8	12	1	US-10-257-017B-292694	Sequence 292694,	1270	9.4	7.8	12	1	US-10-257-017B-322672	Sequence 322672,
c1198	9.4	7.8	12	1	US-10-257-017B-293198	Sequence 293198,	c1271	9.4	7.8	12	1	US-10-257-017B-323055	Sequence 323055,
c1199	9.4	7.8	12	1	US-10-257-017B-293771	Sequence 293771,	c1272	9.4	7.8	12	1	US-10-257-017B-323592	Sequence 323592,
c1200	9.4	7.8	12	1	US-10-257-017B-294030	Sequence 294030,	c1273	9.4	7.8	12	1	US-10-257-017B-324125	Sequence 324125,
1201	9.4	7.8	12	1	US-10-257-017B-295212	Sequence 295212,	1274	9.4	7.8	12	1	US-10-257-017B-324438	Sequence 324438,

1421	9.4	7.8	12	1	US-10-257-017B-371097	Sequence 371097,	c1494	9.4	7.8	13	1	US-10-257-017B-3028	Sequence 3028, Ap
1422	9.4	7.8	12	1	US-10-257-017B-371225	Sequence 371225,	1495	9.4	7.8	13	1	US-10-257-017B-3911	Sequence 3911, Ap
1423	9.4	7.8	12	1	US-10-257-017B-371409	Sequence 371409,	c1496	9.4	7.8	13	1	US-10-257-017B-3912	Sequence 3912, Ap
1424	9.4	7.8	12	1	US-10-257-017B-371659	Sequence 371659,	1497	9.4	7.8	13	1	US-10-257-017B-6093	Sequence 6093, Ap
1425	9.4	7.8	12	1	US-10-257-017B-371907	Sequence 371907,	c1498	9.4	7.8	13	1	US-10-257-017B-6094	Sequence 6094, Ap
c1426	9.4	7.8	12	1	US-10-257-017B-372101	Sequence 372101,	1499	9.4	7.8	13	1	US-10-257-017B-6477	Sequence 6477, Ap
c1427	9.4	7.8	12	1	US-10-257-017B-372446	Sequence 372446,	c1500	9.4	7.8	13	1	US-10-257-017B-6478	Sequence 6478, Ap
c1428	9.4	7.8	12	1	US-10-257-017B-373020	Sequence 373020,	c1501	9.4	7.8	13	1	US-10-257-017B-7163	Sequence 7163, Ap
c1429	9.4	7.8	12	1	US-10-257-017B-373670	Sequence 373670,	1502	9.4	7.8	13	1	US-10-257-017B-7164	Sequence 7164, Ap
c1430	9.4	7.8	12	1	US-10-257-017B-374030	Sequence 374030,	1503	9.4	7.8	13	1	US-10-257-017B-7249	Sequence 7249, Ap
c1431	9.4	7.8	12	1	US-10-257-017B-374281	Sequence 374281,	c1504	9.4	7.8	13	1	US-10-257-017B-7250	Sequence 7250, Ap
c1432	9.4	7.8	12	1	US-10-257-017B-375319	Sequence 375319,	c1505	9.4	7.8	13	1	US-10-257-017B-8267	Sequence 8267, Ap
c1433	9.4	7.8	12	1	US-10-257-017B-375491	Sequence 375491,	1506	9.4	7.8	13	1	US-10-257-017B-8268	Sequence 8268, Ap
c1434	9.4	7.8	12	1	US-10-257-017B-375808	Sequence 375808,	c1507	9.4	7.8	13	1	US-10-257-017B-9181	Sequence 9181, Ap
c1435	9.4	7.8	12	1	US-10-257-017B-375956	Sequence 375956,	c1508	9.4	7.8	13	1	US-10-257-017B-9182	Sequence 9182, Ap
c1436	9.4	7.8	12	1	US-10-257-017B-376328	Sequence 376328,	1509	9.4	7.8	13	1	US-10-257-017B-9547	Sequence 9547, Ap
c1437	9.4	7.8	12	1	US-10-257-017B-376349	Sequence 376349,	c1510	9.4	7.8	13	1	US-10-257-017B-9548	Sequence 9548, Ap
c1438	9.4	7.8	12	1	US-10-257-017B-376398	Sequence 376398,	1511	9.4	7.8	13	1	US-10-257-017B-9775	Sequence 9775, Ap
c1439	9.4	7.8	12	1	US-10-257-017B-376525	Sequence 376525,	c1512	9.4	7.8	13	1	US-10-257-017B-9776	Sequence 9776, Ap
c1440	9.4	7.8	12	1	US-10-257-017B-376754	Sequence 376754,	1513	9.4	7.8	13	1	US-10-257-017B-10483	Sequence 10483, A
c1441	9.4	7.8	12	1	US-10-257-017B-377036	Sequence 377036,	c1514	9.4	7.8	13	1	US-10-257-017B-10484	Sequence 10484, A
c1442	9.4	7.8	12	1	US-10-257-017B-377510	Sequence 377510,	1515	9.4	7.8	13	1	US-10-257-017B-11239	Sequence 11239, A
c1443	9.4	7.8	12	1	US-10-257-017B-377707	Sequence 377707,	c1516	9.4	7.8	13	1	US-10-257-017B-11240	Sequence 11240, A
c1444	9.4	7.8	12	1	US-10-257-017B-377976	Sequence 377976,	1517	9.4	7.8	13	1	US-10-257-017B-13217	Sequence 13217, A
c1445	9.4	7.8	12	1	US-10-257-017B-378210	Sequence 378210,	c1518	9.4	7.8	13	1	US-10-257-017B-13218	Sequence 13218, A
c1446	9.4	7.8	12	1	US-10-257-017B-378451	Sequence 378451,	1519	9.4	7.8	13	1	US-10-257-017B-13557	Sequence 13557, A
c1447	9.4	7.8	12	1	US-10-257-017B-378492	Sequence 378492,	c1520	9.4	7.8	13	1	US-10-257-017B-13558	Sequence 13558, A
c1448	9.4	7.8	12	1	US-10-257-017B-379005	Sequence 379005,	c1521	9.4	7.8	13	1	US-10-257-017B-14825	Sequence 14825, A
c1449	9.4	7.8	12	1	US-10-257-017B-379557	Sequence 379557,	1522	9.4	7.8	13	1	US-10-257-017B-14826	Sequence 14826, A
c1450	9.4	7.8	12	1	US-10-257-017B-379659	Sequence 379659,	1523	9.4	7.8	13	1	US-10-257-017B-15875	Sequence 15875, A
c1451	9.4	7.8	12	1	US-10-257-017B-379659	Sequence 379659,	c1524	9.4	7.8	13	1	US-10-257-017B-15876	Sequence 15876, A
c1452	9.4	7.8	12	1	US-10-257-017B-380621	Sequence 380621,	1525	9.4	7.8	13	1	US-10-257-017B-16399	Sequence 16399, A
c1453	9.4	7.8	12	1	US-10-257-017B-381328	Sequence 381328,	c1526	9.4	7.8	13	1	US-10-257-017B-16400	Sequence 16400, A
c1454	9.4	7.8	12	1	US-10-257-017B-381689	Sequence 381689,	1527	9.4	7.8	13	1	US-10-257-017B-16597	Sequence 16597, A
c1455	9.4	7.8	12	1	US-10-257-017B-381932	Sequence 381932,	c1528	9.4	7.8	13	1	US-10-257-017B-16598	Sequence 16598, A
c1456	9.4	7.8	12	1	US-10-708-951-18604	Sequence 18604, A	1530	9.4	7.8	13	1	US-10-257-017B-16968	Sequence 16968, A
c1457	9.4	7.8	12	1	US-10-708-951-18604	Sequence 18604, A	1531	9.4	7.8	13	1	US-10-257-017B-18609	Sequence 18609, A
c1458	9.4	7.8	12	1	US-10-708-951-18604	Sequence 18604, A	1532	9.4	7.8	13	1	US-10-257-017B-18610	Sequence 18610, A
c1459	9.4	7.8	12	1	US-10-708-951-18604	Sequence 18604, A	1533	9.4	7.8	13	1	US-10-257-017B-18610	Sequence 18610, A
c1460	9.4	7.8	12	1	US-10-708-951-18604	Sequence 18604, A	1534	9.4	7.8	13	1	US-10-257-017B-18610	Sequence 18610, A
c1461	9.4	7.8	12	1	US-10-257-017B-110673	Sequence 110673,	c1535	9.4	7.8	13	1	US-10-257-017B-19327	Sequence 19327, A
c1462	9.4	7.8	12	1	US-10-257-017B-110674	Sequence 110674,	1536	9.4	7.8	13	1	US-10-257-017B-19327	Sequence 19327, A
c1463	9.4	7.8	12	1	US-10-257-017B-104319	Sequence 104319,	c1537	9.4	7.8	13	1	US-10-257-017B-19328	Sequence 19328, A
c1464	9.4	7.8	12	1	US-10-257-017B-104320	Sequence 104320,	1538	9.4	7.8	13	1	US-10-257-017B-19328	Sequence 19328, A
c1465	9.4	7.8	12	1	US-10-257-017B-104320	Sequence 104320,	c1539	9.4	7.8	13	1	US-10-257-017B-19328	Sequence 19328, A
c1466	9.4	7.8	12	1	US-10-257-017B-183267	Sequence 183267,	1540	9.4	7.8	13	1	US-10-257-017B-19328	Sequence 19328, A
c1467	9.4	7.8	12	1	US-10-257-017B-183268	Sequence 183268,	c1541	9.4	7.8	13	1	US-10-257-017B-19328	Sequence 19328, A
c1468	9.4	7.8	12	1	US-10-257-017B-461	Sequence 461, App	1542	9.4	7.8	13	1	US-10-257-017B-19328	Sequence 19328, A
c1469	9.4	7.8	12	1	US-10-257-017B-9401	Sequence 9401, App	c1543	9.4	7.8	13	1	US-10-257-017B-19328	Sequence 19328, A
c1470	9.4	7.8	12	1	US-10-257-017B-9402	Sequence 9402, App	1544	9.4	7.8	13	1	US-10-257-017B-22357	Sequence 22357, A
c1471	9.4	7.8	12	1	US-10-257-017B-82015	Sequence 82015, A	c1545	9.4	7.8	13	1	US-10-257-017B-22358	Sequence 22358, A
c1472	9.4	7.8	12	1	US-10-257-017B-82015	Sequence 82015, A	1546	9.4	7.8	13	1	US-10-257-017B-23859	Sequence 23859, A
c1473	9.4	7.8	12	1	US-10-257-017B-104315	Sequence 104315,	c1547	9.4	7.8	13	1	US-10-257-017B-23860	Sequence 23860, A
c1474	9.4	7.8	12	1	US-10-257-017B-104316	Sequence 104316,	1548	9.4	7.8	13	1	US-10-257-017B-25049	Sequence 25049, A
c1475	9.4	7.8	12	1	US-10-257-017B-104317	Sequence 104317,	c1549	9.4	7.8	13	1	US-10-257-017B-25050	Sequence 25050, A
c1476	9.4	7.8	12	1	US-10-257-017B-104318	Sequence 104318,	1550	9.4	7.8	13	1	US-10-257-017B-25050	Sequence 25050, A
c1477	9.4	7.8	12	1	US-10-257-017B-122703	Sequence 122703,	c1551	9.4	7.8	13	1	US-10-257-017B-25302	Sequence 25302, A
c1478	9.4	7.8	12	1	US-10-257-017B-122704	Sequence 122704,	1552	9.4	7.8	13	1	US-10-257-017B-25357	Sequence 25357, A
c1479	9.4	7.8	12	1	US-10-257-017B-122704	Sequence 122704,	c1553	9.4	7.8	13	1	US-10-257-017B-25358	Sequence 25358, A
c1480	9.4	7.8	12	1	US-10-257-017B-252943	Sequence 252943,	1554	9.4	7.8	13	1	US-10-257-017B-25789	Sequence 25789, A
c1481	9.4	7.8	12	1	US-10-257-017B-947	Sequence 947, App	c1555	9.4	7.8	13	1	US-10-257-017B-25790	Sequence 25790, A
c1482	9.4	7.8	12	1	US-10-257-017B-948	Sequence 948, App	1556	9.4	7.8	13	1	US-10-257-017B-25790	Sequence 25790, A
c1483	9.4	7.8	12	1	US-10-257-017B-985	Sequence 985, App	c1557	9.4	7.8	13	1	US-10-257-017B-26433	Sequence 26433, A
c1484	9.4	7.8	12	1	US-10-257-017B-986	Sequence 986, App	1558	9.4	7.8	13	1	US-10-257-017B-26434	Sequence 26434, A
c1485	9.4	7.8	12	1	US-10-257-017B-2281	Sequence 2281, App	c1559	9.4	7.8	13	1	US-10-257-017B-26585	Sequence 26585, A
c1486	9.4	7.8	12	1	US-10-257-017B-2282	Sequence 2282, App	1560	9.4	7.8	13	1	US-10-257-017B-26586	Sequence 26586, A
c1487	9.4	7.8	12	1	US-10-257-017B-2459	Sequence 2459, App	c1561	9.4	7.8	13	1	US-10-257-017B-26617	Sequence 26617, A
c1488	9.4	7.8	12	1	US-10-257-017B-2460	Sequence 2460, App	1562	9.4	7.8	13	1	US-10-257-017B-26618	Sequence 26618, A
c1489	9.4	7.8	12	1	US-10-257-017B-2573	Sequence 2573, App	c1563	9.4	7.8	13	1	US-10-257-017B-27633	Sequence 27633, A
c1490	9.4	7.8	12	1	US-10-257-017B-2574	Sequence 2574, App	1564	9.4	7.8	13	1	US-10-257-017B-27634	Sequence 27634, A
c1491	9.4	7.8	12	1	US-10-257-017B-2707	Sequence 2707, App	c1565	9.4	7.8	13	1	US-10-257-017B-27789	Sequence 27789, A
c1492	9.4	7.8	12	1	US-10-257-017B-2708	Sequence 2708, App	1566	9.4	7.8	13	1	US-10-257-017B-27790	Sequence 27790, A
c1493	9.4	7.8	12	1	US-10-257-017B-3027	Sequence 3027, App	c1566	9.4	7.8	13	1	US-10-257-017B-28364	Sequence 28364, A

1567	9.4	7.8	13	1	US-10-257-017B-30237	Sequence 30237, A	c1640	9.4	7.8	13	1	US-10-257-017B-54260	Sequence 54260, A
c1568	9.4	7.8	13	1	US-10-257-017B-30238	Sequence 30238, A	1641	9.4	7.8	13	1	US-10-257-017B-54623	Sequence 54623, A
1569	9.4	7.8	13	1	US-10-257-017B-30257	Sequence 30257, A	c1642	9.4	7.8	13	1	US-10-257-017B-54624	Sequence 54624, A
c1570	9.4	7.8	13	1	US-10-257-017B-30568	Sequence 30568, A	c1643	9.4	7.8	13	1	US-10-257-017B-54937	Sequence 54937, A
1571	9.4	7.8	13	1	US-10-257-017B-30731	Sequence 30731, A	1644	9.4	7.8	13	1	US-10-257-017B-54938	Sequence 54938, A
c1572	9.4	7.8	13	1	US-10-257-017B-30732	Sequence 30732, A	1645	9.4	7.8	13	1	US-10-257-017B-57265	Sequence 57265, A
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c1574	9.4	7.8	13	1	US-10-257-017B-30768	Sequence 30768, A	1647	9.4	7.8	13	1	US-10-257-017B-57983	Sequence 57983, A
1575	9.4	7.8	13	1	US-10-257-017B-31891	Sequence 31891, A	c1648	9.4	7.8	13	1	US-10-257-017B-57984	Sequence 57984, A
c1576	9.4	7.8	13	1	US-10-257-017B-31892	Sequence 31892, A	1649	9.4	7.8	13	1	US-10-257-017B-58451	Sequence 58451, A
1577	9.4	7.8	13	1	US-10-257-017B-32335	Sequence 32335, A	c1650	9.4	7.8	13	1	US-10-257-017B-58452	Sequence 58452, A
c1578	9.4	7.8	13	1	US-10-257-017B-32336	Sequence 32336, A	1651	9.4	7.8	13	1	US-10-257-017B-59819	Sequence 59819, A
1579	9.4	7.8	13	1	US-10-257-017B-32905	Sequence 32905, A	c1652	9.4	7.8	13	1	US-10-257-017B-59820	Sequence 59820, A
c1580	9.4	7.8	13	1	US-10-257-017B-32906	Sequence 32906, A	1653	9.4	7.8	13	1	US-10-257-017B-60061	Sequence 60061, A
1581	9.4	7.8	13	1	US-10-257-017B-33579	Sequence 33579, A	c1654	9.4	7.8	13	1	US-10-257-017B-60062	Sequence 60062, A
c1582	9.4	7.8	13	1	US-10-257-017B-33580	Sequence 33580, A	1655	9.4	7.8	13	1	US-10-257-017B-60265	Sequence 60265, A
1583	9.4	7.8	13	1	US-10-257-017B-34411	Sequence 34411, A	c1656	9.4	7.8	13	1	US-10-257-017B-60266	Sequence 60266, A
c1584	9.4	7.8	13	1	US-10-257-017B-34412	Sequence 34412, A	1657	9.4	7.8	13	1	US-10-257-017B-61505	Sequence 61505, A
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c1586	9.4	7.8	13	1	US-10-257-017B-34436	Sequence 34436, A	1659	9.4	7.8	13	1	US-10-257-017B-61817	Sequence 61817, A
1587	9.4	7.8	13	1	US-10-257-017B-35819	Sequence 35819, A	c1660	9.4	7.8	13	1	US-10-257-017B-61818	Sequence 61818, A
c1588	9.4	7.8	13	1	US-10-257-017B-35820	Sequence 35820, A	1661	9.4	7.8	13	1	US-10-257-017B-63181	Sequence 63181, A
1589	9.4	7.8	13	1	US-10-257-017B-36781	Sequence 36781, A	c1662	9.4	7.8	13	1	US-10-257-017B-63182	Sequence 63182, A
c1590	9.4	7.8	13	1	US-10-257-017B-36782	Sequence 36782, A	1663	9.4	7.8	13	1	US-10-257-017B-63921	Sequence 63921, A
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c1592	9.4	7.8	13	1	US-10-257-017B-38588	Sequence 38588, A	1665	9.4	7.8	13	1	US-10-257-017B-64427	Sequence 64427, A
1593	9.4	7.8	13	1	US-10-257-017B-38807	Sequence 38807, A	c1666	9.4	7.8	13	1	US-10-257-017B-64428	Sequence 64428, A
c1594	9.4	7.8	13	1	US-10-257-017B-38808	Sequence 38808, A	1667	9.4	7.8	13	1	US-10-257-017B-64487	Sequence 64487, A
1595	9.4	7.8	13	1	US-10-257-017B-40475	Sequence 40475, A	c1668	9.4	7.8	13	1	US-10-257-017B-64488	Sequence 64488, A
c1596	9.4	7.8	13	1	US-10-257-017B-40476	Sequence 40476, A	1669	9.4	7.8	13	1	US-10-257-017B-66941	Sequence 66941, A
1597	9.4	7.8	13	1	US-10-257-017B-41471	Sequence 41471, A	c1670	9.4	7.8	13	1	US-10-257-017B-66942	Sequence 66942, A
c1598	9.4	7.8	13	1	US-10-257-017B-41472	Sequence 41472, A	1671	9.4	7.8	13	1	US-10-257-017B-68085	Sequence 68085, A
1599	9.4	7.8	13	1	US-10-257-017B-41695	Sequence 41695, A	c1672	9.4	7.8	13	1	US-10-257-017B-68086	Sequence 68086, A
c1600	9.4	7.8	13	1	US-10-257-017B-41696	Sequence 41696, A	1673	9.4	7.8	13	1	US-10-257-017B-69003	Sequence 69003, A
1601	9.4	7.8	13	1	US-10-257-017B-41697	Sequence 41697, A	c1674	9.4	7.8	13	1	US-10-257-017B-69004	Sequence 69004, A
c1602	9.4	7.8	13	1	US-10-257-017B-41698	Sequence 41698, A	1675	9.4	7.8	13	1	US-10-257-017B-69011	Sequence 69011, A
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1605	9.4	7.8	13	1	US-10-257-017B-43933	Sequence 43933, A	c1678	9.4	7.8	13	1	US-10-257-017B-69136	Sequence 69136, A
c1606	9.4	7.8	13	1	US-10-257-017B-43934	Sequence 43934, A	1679	9.4	7.8	13	1	US-10-257-017B-69981	Sequence 69981, A
1607	9.4	7.8	13	1	US-10-257-017B-46031	Sequence 46031, A	c1680	9.4	7.8	13	1	US-10-257-017B-69982	Sequence 69982, A
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c1610	9.4	7.8	13	1	US-10-257-017B-46833	Sequence 46833, A	1683	9.4	7.8	13	1	US-10-257-017B-70709	Sequence 70709, A
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c1612	9.4	7.8	13	1	US-10-257-017B-47308	Sequence 47308, A	1685	9.4	7.8	13	1	US-10-257-017B-71237	Sequence 71237, A
1613	9.4	7.8	13	1	US-10-257-017B-47309	Sequence 47309, A	c1686	9.4	7.8	13	1	US-10-257-017B-71238	Sequence 71238, A
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c1616	9.4	7.8	13	1	US-10-257-017B-47572	Sequence 47572, A	1689	9.4	7.8	13	1	US-10-257-017B-71633	Sequence 71633, A
1617	9.4	7.8	13	1	US-10-257-017B-48661	Sequence 48661, A	c1690	9.4	7.8	13	1	US-10-257-017B-71634	Sequence 71634, A
c1618	9.4	7.8	13	1	US-10-257-017B-48662	Sequence 48662, A	1691	9.4	7.8	13	1	US-10-257-017B-72647	Sequence 72647, A
1619	9.4	7.8	13	1	US-10-257-017B-49181	Sequence 49181, A	c1692	9.4	7.8	13	1	US-10-257-017B-72648	Sequence 72648, A
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1627	9.4	7.8	13	1	US-10-257-017B-51565	Sequence 51565, A	c1700	9.4	7.8	13	1	US-10-257-017B-78694	Sequence 78694, A
c1628	9.4	7.8	13	1	US-10-257-017B-51566	Sequence 51566, A	1701	9.4	7.8	13	1	US-10-257-017B-80071	Sequence 80071, A
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c1632	9.4	7.8	13	1	US-10-257-017B-52526	Sequence 52526, A	1705	9.4	7.8	13	1	US-10-257-017B-80279	Sequence 80279, A
1633	9.4	7.8	13	1	US-10-257-017B-53693	Sequence 53693, A	c1706	9.4	7.8	13	1	US-10-257-017B-80619	Sequence 80619, A
c1634	9.4	7.8	13	1	US-10-257-017B-53694	Sequence 53694, A	1707	9.4	7.8	13	1	US-10-257-017B-80620	Sequence 80620, A
1635	9.4	7.8	13	1	US-10-257-017B-53695	Sequence 53695, A	c1708	9.4	7.8	13	1	US-10-257-017B-81605	Sequence 81605, A
c1636	9.4	7.8	13	1	US-10-257-017B-53696	Sequence 53696, A	1709	9.4	7.8	13	1	US-10-257-017B-81606	Sequence 81606, A
1637	9.4	7.8	13	1	US-10-257-017B-54019	Sequence 54019, A	c1710	9.4	7.8	13	1	US-10-257-017B-82273	Sequence 82273, A
c1638	9.4	7.8	13	1	US-10-257-017B-54020	Sequence 54020, A	1711	9.4	7.8	13	1	US-10-257-017B-82274	Sequence 82274, A
1639	9.4	7.8	13	1	US-10-257-017B-54259	Sequence 54259, A	c1712	9.4	7.8	13	1		

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1715	9.4	7.8	13	1	US-10-257-017B-84377	Sequence 84377, A	c1788	9.4	7.8	13	1	US-10-257-017B-104314	Sequence 104314,
c1716	9.4	7.8	13	1	US-10-257-017B-84378	Sequence 84378, A	c1789	9.4	7.8	13	1	US-10-257-017B-105981	Sequence 105981,
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c1718	9.4	7.8	13	1	US-10-257-017B-84518	Sequence 84518, A	c1791	9.4	7.8	13	1	US-10-257-017B-107941	Sequence 107941,
1719	9.4	7.8	13	1	US-10-257-017B-85203	Sequence 85203, A	c1792	9.4	7.8	13	1	US-10-257-017B-107942	Sequence 107942,
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1723	9.4	7.8	13	1	US-10-257-017B-85945	Sequence 85945, A	c1796	9.4	7.8	13	1	US-10-257-017B-108214	Sequence 108214,
c1724	9.4	7.8	13	1	US-10-257-017B-85946	Sequence 85946, A	c1797	9.4	7.8	13	1	US-10-257-017B-108863	Sequence 108863,
1725	9.4	7.8	13	1	US-10-257-017B-86527	Sequence 86527, A	c1798	9.4	7.8	13	1	US-10-257-017B-108864	Sequence 108864,
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1727	9.4	7.8	13	1	US-10-257-017B-86727	Sequence 86727, A	c1800	9.4	7.8	13	1	US-10-257-017B-110258	Sequence 110258,
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c1730	9.4	7.8	13	1	US-10-257-017B-87718	Sequence 87718, A	c1803	9.4	7.8	13	1	US-10-257-017B-112753	Sequence 112753,
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c1748	9.4	7.8	13	1	US-10-257-017B-91976	Sequence 91976, A	c1821	9.4	7.8	13	1	US-10-257-017B-120259	Sequence 120259,
1749	9.4	7.8	13	1	US-10-257-017B-92303	Sequence 92303, A	c1822	9.4	7.8	13	1	US-10-257-017B-120260	Sequence 120260,
c1750	9.4	7.8	13	1	US-10-257-017B-92304	Sequence 92304, A	c1823	9.4	7.8	13	1	US-10-257-017B-120345	Sequence 120345,
1751	9.4	7.8	13	1	US-10-257-017B-92461	Sequence 92461, A	c1824	9.4	7.8	13	1	US-10-257-017B-120346	Sequence 120346,
c1752	9.4	7.8	13	1	US-10-257-017B-92462	Sequence 92462, A	c1825	9.4	7.8	13	1	US-10-257-017B-120613	Sequence 120613,
1753	9.4	7.8	13	1	US-10-257-017B-93707	Sequence 93707, A	c1826	9.4	7.8	13	1	US-10-257-017B-120614	Sequence 120614,
c1754	9.4	7.8	13	1	US-10-257-017B-93708	Sequence 93708, A	c1827	9.4	7.8	13	1	US-10-257-017B-120837	Sequence 120837,
1755	9.4	7.8	13	1	US-10-257-017B-94473	Sequence 94473, A	c1828	9.4	7.8	13	1	US-10-257-017B-120838	Sequence 120838,
c1756	9.4	7.8	13	1	US-10-257-017B-94474	Sequence 94474, A	c1829	9.4	7.8	13	1	US-10-257-017B-121555	Sequence 121555,
1757	9.4	7.8	13	1	US-10-257-017B-94689	Sequence 94689, A	c1830	9.4	7.8	13	1	US-10-257-017B-121556	Sequence 121556,
c1758	9.4	7.8	13	1	US-10-257-017B-94690	Sequence 94690, A	c1831	9.4	7.8	13	1	US-10-257-017B-122185	Sequence 122185,
1759	9.4	7.8	13	1	US-10-257-017B-96570	Sequence 96570, A	c1832	9.4	7.8	13	1	US-10-257-017B-122186	Sequence 122186,
c1760	9.4	7.8	13	1	US-10-257-017B-96570	Sequence 96570, A	c1833	9.4	7.8	13	1	US-10-257-017B-122297	Sequence 122297,
1761	9.4	7.8	13	1	US-10-257-017B-97059	Sequence 97059, A	c1834	9.4	7.8	13	1	US-10-257-017B-122298	Sequence 122298,
c1762	9.4	7.8	13	1	US-10-257-017B-97060	Sequence 97060, A	c1835	9.4	7.8	13	1	US-10-257-017B-123620	Sequence 123620,
1763	9.4	7.8	13	1	US-10-257-017B-97075	Sequence 97075, A	c1836	9.4	7.8	13	1	US-10-257-017B-123620	Sequence 123620,
c1764	9.4	7.8	13	1	US-10-257-017B-97076	Sequence 97076, A	c1837	9.4	7.8	13	1	US-10-257-017B-124169	Sequence 124169,
1765	9.4	7.8	13	1	US-10-257-017B-98291	Sequence 98291, A	c1838	9.4	7.8	13	1	US-10-257-017B-124170	Sequence 124170,
c1766	9.4	7.8	13	1	US-10-257-017B-98292	Sequence 98292, A	c1839	9.4	7.8	13	1	US-10-257-017B-125649	Sequence 125649,
1767	9.4	7.8	13	1	US-10-257-017B-98431	Sequence 98431, A	c1840	9.4	7.8	13	1	US-10-257-017B-125650	Sequence 125650,
c1768	9.4	7.8	13	1	US-10-257-017B-98431	Sequence 98431, A	c1841	9.4	7.8	13	1	US-10-257-017B-125651	Sequence 125651,
1769	9.4	7.8	13	1	US-10-257-017B-98432	Sequence 98432, A	c1842	9.4	7.8	13	1	US-10-257-017B-125652	Sequence 125652,
c1770	9.4	7.8	13	1	US-10-257-017B-98433	Sequence 98433, A	c1843	9.4	7.8	13	1	US-10-257-017B-126199	Sequence 126199,
1771	9.4	7.8	13	1	US-10-257-017B-98433	Sequence 98433, A	c1844	9.4	7.8	13	1	US-10-257-017B-126200	Sequence 126200,
c1772	9.4	7.8	13	1	US-10-257-017B-98434	Sequence 98434, A	c1845	9.4	7.8	13	1	US-10-257-017B-127731	Sequence 127731,
1773	9.4	7.8	13	1	US-10-257-017B-98435	Sequence 98435, A	c1846	9.4	7.8	13	1	US-10-257-017B-127732	Sequence 127732,
c1774	9.4	7.8	13	1	US-10-257-017B-98436	Sequence 98436, A	c1847	9.4	7.8	13	1	US-10-257-017B-128157	Sequence 128157,
1775	9.4	7.8	13	1	US-10-257-017B-98793	Sequence 98793, A	c1848	9.4	7.8	13	1	US-10-257-017B-128158	Sequence 128158,
c1776	9.4	7.8	13	1	US-10-257-017B-98794	Sequence 98794, A	c1849	9.4	7.8	13	1	US-10-257-017B-128159	Sequence 128159,
1777	9.4	7.8	13	1	US-10-257-017B-98987	Sequence 98987, A	c1850	9.4	7.8	13	1	US-10-257-017B-128160	Sequence 128160,
c1778	9.4	7.8	13	1	US-10-257-017B-98988	Sequence 98988, A	c1851	9.4	7.8	13	1	US-10-257-017B-128907	Sequence 128907,
1779	9.4	7.8	13	1	US-10-257-017B-99687	Sequence 99687, A	c1852	9.4	7.8	13	1	US-10-257-017B-128908	Sequence 128908,
c1780	9.4	7.8	13	1	US-10-257-017B-99688	Sequence 99688, A	c1853	9.4	7.8	13	1	US-10-257-017B-129323	Sequence 129323,
1781	9.4	7.8	13	1	US-10-257-017B-101547	Sequence 101547, A	c1854	9.4	7.8	13	1	US-10-257-017B-129324	Sequence 129324,
c1782	9.4	7.8	13	1	US-10-257-017B-101548	Sequence 101548, A	c1855	9.4	7.8	13	1	US-10-257-017B-130577	Sequence 130577,
1783	9.4	7.8	13	1	US-10-257-017B-103169	Sequence 103169, A	c1856	9.4	7.8	13	1	US-10-257-017B-130578	Sequence 130578,
c1784	9.4	7.8	13	1	US-10-257-017B-103170	Sequence 103170, A	c1857	9.4	7.8	13	1	US-10-257-017B-130579	Sequence 130579,
1785	9.4	7.8	13	1	US-10-257-017B-104133	Sequence 104133, A	c1858	9.4	7.8	13	1	US-10-257-017B-130580	Sequence 130580,

1859	9.4	7.8	13	1	US-10-257-017B-131623	Sequence 131623,	c1932	9.4	7.8	13	1	US-10-257-017B-155818	Sequence 155818,
c1860	9.4	7.8	13	1	US-10-257-017B-131624	Sequence 131624,	1933	9.4	7.8	13	1	US-10-257-017B-156381	Sequence 156381,
1861	9.4	7.8	13	1	US-10-257-017B-135331	Sequence 135331,	c1934	9.4	7.8	13	1	US-10-257-017B-156382	Sequence 156382,
c1862	9.4	7.8	13	1	US-10-257-017B-135332	Sequence 135332,	1935	9.4	7.8	13	1	US-10-257-017B-156875	Sequence 156875,
c1863	9.4	7.8	13	1	US-10-257-017B-137413	Sequence 137413,	c1936	9.4	7.8	13	1	US-10-257-017B-156876	Sequence 156876,
1864	9.4	7.8	13	1	US-10-257-017B-137414	Sequence 137414,	1937	9.4	7.8	13	1	US-10-257-017B-158193	Sequence 158193,
c1865	9.4	7.8	13	1	US-10-257-017B-137937	Sequence 137937,	c1938	9.4	7.8	13	1	US-10-257-017B-158194	Sequence 158194,
1866	9.4	7.8	13	1	US-10-257-017B-137938	Sequence 137938,	c1939	9.4	7.8	13	1	US-10-257-017B-158305	Sequence 158305,
c1867	9.4	7.8	13	1	US-10-257-017B-138059	Sequence 138059,	1940	9.4	7.8	13	1	US-10-257-017B-158306	Sequence 158306,
1868	9.4	7.8	13	1	US-10-257-017B-138060	Sequence 138060,	1941	9.4	7.8	13	1	US-10-257-017B-158307	Sequence 158307,
c1869	9.4	7.8	13	1	US-10-257-017B-138061	Sequence 138061,	1942	9.4	7.8	13	1	US-10-257-017B-158308	Sequence 158308,
1870	9.4	7.8	13	1	US-10-257-017B-138062	Sequence 138062,	c1943	9.4	7.8	13	1	US-10-257-017B-158817	Sequence 158817,
c1871	9.4	7.8	13	1	US-10-257-017B-138063	Sequence 138063,	1944	9.4	7.8	13	1	US-10-257-017B-158818	Sequence 158818,
1872	9.4	7.8	13	1	US-10-257-017B-138064	Sequence 138064,	c1945	9.4	7.8	13	1	US-10-257-017B-159383	Sequence 159383,
c1873	9.4	7.8	13	1	US-10-257-017B-138651	Sequence 138651,	1946	9.4	7.8	13	1	US-10-257-017B-159384	Sequence 159384,
1874	9.4	7.8	13	1	US-10-257-017B-138652	Sequence 138652,	c1947	9.4	7.8	13	1	US-10-257-017B-161801	Sequence 161801,
c1875	9.4	7.8	13	1	US-10-257-017B-138653	Sequence 138653,	1948	9.4	7.8	13	1	US-10-257-017B-161801	Sequence 161801,
1876	9.4	7.8	13	1	US-10-257-017B-138654	Sequence 138654,	c1949	9.4	7.8	13	1	US-10-257-017B-161802	Sequence 161802,
c1877	9.4	7.8	13	1	US-10-257-017B-140011	Sequence 140011,	1950	9.4	7.8	13	1	US-10-257-017B-161802	Sequence 161802,
1878	9.4	7.8	13	1	US-10-257-017B-140012	Sequence 140012,	1951	9.4	7.8	13	1	US-10-257-017B-161805	Sequence 161805,
c1879	9.4	7.8	13	1	US-10-257-017B-140035	Sequence 140035,	c1952	9.4	7.8	13	1	US-10-257-017B-161805	Sequence 161805,
1880	9.4	7.8	13	1	US-10-257-017B-140036	Sequence 140036,	1953	9.4	7.8	13	1	US-10-257-017B-161806	Sequence 161806,
c1881	9.4	7.8	13	1	US-10-257-017B-140255	Sequence 140255,	c1954	9.4	7.8	13	1	US-10-257-017B-161806	Sequence 161806,
1882	9.4	7.8	13	1	US-10-257-017B-140256	Sequence 140256,	1955	9.4	7.8	13	1	US-10-257-017B-162101	Sequence 162101,
c1883	9.4	7.8	13	1	US-10-257-017B-140283	Sequence 140283,	c1956	9.4	7.8	13	1	US-10-257-017B-162102	Sequence 162102,
1884	9.4	7.8	13	1	US-10-257-017B-140284	Sequence 140284,	1957	9.4	7.8	13	1	US-10-257-017B-162819	Sequence 162819,
c1885	9.4	7.8	13	1	US-10-257-017B-140284	Sequence 140284,	1958	9.4	7.8	13	1	US-10-257-017B-162820	Sequence 162820,
1886	9.4	7.8	13	1	US-10-257-017B-140580	Sequence 140580,	c1959	9.4	7.8	13	1	US-10-257-017B-162823	Sequence 162823,
c1887	9.4	7.8	13	1	US-10-257-017B-141117	Sequence 141117,	1960	9.4	7.8	13	1	US-10-257-017B-162824	Sequence 162824,
1888	9.4	7.8	13	1	US-10-257-017B-141118	Sequence 141118,	c1961	9.4	7.8	13	1	US-10-257-017B-163917	Sequence 163917,
c1889	9.4	7.8	13	1	US-10-257-017B-141839	Sequence 141839,	1962	9.4	7.8	13	1	US-10-257-017B-163918	Sequence 163918,
1890	9.4	7.8	13	1	US-10-257-017B-141839	Sequence 141839,	1963	9.4	7.8	13	1	US-10-257-017B-163919	Sequence 163919,
c1891	9.4	7.8	13	1	US-10-257-017B-142039	Sequence 142039,	c1964	9.4	7.8	13	1	US-10-257-017B-163920	Sequence 163920,
1892	9.4	7.8	13	1	US-10-257-017B-142040	Sequence 142040,	1965	9.4	7.8	13	1	US-10-257-017B-164441	Sequence 164441,
c1893	9.4	7.8	13	1	US-10-257-017B-142045	Sequence 142045,	c1966	9.4	7.8	13	1	US-10-257-017B-164442	Sequence 164442,
1894	9.4	7.8	13	1	US-10-257-017B-142046	Sequence 142046,	c1967	9.4	7.8	13	1	US-10-257-017B-165633	Sequence 165633,
c1895	9.4	7.8	13	1	US-10-257-017B-143073	Sequence 143073,	1968	9.4	7.8	13	1	US-10-257-017B-165634	Sequence 165634,
1896	9.4	7.8	13	1	US-10-257-017B-143074	Sequence 143074,	c1969	9.4	7.8	13	1	US-10-257-017B-165637	Sequence 165637,
c1897	9.4	7.8	13	1	US-10-257-017B-144693	Sequence 144693,	1970	9.4	7.8	13	1	US-10-257-017B-165638	Sequence 165638,
1898	9.4	7.8	13	1	US-10-257-017B-144694	Sequence 144694,	1971	9.4	7.8	13	1	US-10-257-017B-166131	Sequence 166131,
c1899	9.4	7.8	13	1	US-10-257-017B-145819	Sequence 145819,	c1972	9.4	7.8	13	1	US-10-257-017B-166132	Sequence 166132,
1900	9.4	7.8	13	1	US-10-257-017B-145820	Sequence 145820,	c1973	9.4	7.8	13	1	US-10-257-017B-166433	Sequence 166433,
c1901	9.4	7.8	13	1	US-10-257-017B-145820	Sequence 145820,	1974	9.4	7.8	13	1	US-10-257-017B-166434	Sequence 166434,
1902	9.4	7.8	13	1	US-10-257-017B-145820	Sequence 145820,	c1975	9.4	7.8	13	1	US-10-257-017B-168173	Sequence 168173,
c1903	9.4	7.8	13	1	US-10-257-017B-145909	Sequence 145909,	1976	9.4	7.8	13	1	US-10-257-017B-168174	Sequence 168174,
1904	9.4	7.8	13	1	US-10-257-017B-145910	Sequence 145910,	1977	9.4	7.8	13	1	US-10-257-017B-168817	Sequence 168817,
c1905	9.4	7.8	13	1	US-10-257-017B-146097	Sequence 146097,	c1978	9.4	7.8	13	1	US-10-257-017B-168818	Sequence 168818,
1906	9.4	7.8	13	1	US-10-257-017B-146098	Sequence 146098,	1979	9.4	7.8	13	1	US-10-257-017B-168883	Sequence 168883,
c1907	9.4	7.8	13	1	US-10-257-017B-148493	Sequence 148493,	c1980	9.4	7.8	13	1	US-10-257-017B-168884	Sequence 168884,
1908	9.4	7.8	13	1	US-10-257-017B-148494	Sequence 148494,	1981	9.4	7.8	13	1	US-10-257-017B-169241	Sequence 169241,
c1909	9.4	7.8	13	1	US-10-257-017B-149339	Sequence 149339,	c1982	9.4	7.8	13	1	US-10-257-017B-169242	Sequence 169242,
1910	9.4	7.8	13	1	US-10-257-017B-149340	Sequence 149340,	c1983	9.4	7.8	13	1	US-10-257-017B-169751	Sequence 169751,
c1911	9.4	7.8	13	1	US-10-257-017B-149723	Sequence 149723,	1984	9.4	7.8	13	1	US-10-257-017B-169752	Sequence 169752,
1912	9.4	7.8	13	1	US-10-257-017B-149724	Sequence 149724,	1985	9.4	7.8	13	1	US-10-257-017B-172625	Sequence 172625,
c1913	9.4	7.8	13	1	US-10-257-017B-150147	Sequence 150147,	c1986	9.4	7.8	13	1	US-10-257-017B-172626	Sequence 172626,
1914	9.4	7.8	13	1	US-10-257-017B-150148	Sequence 150148,	1987	9.4	7.8	13	1	US-10-257-017B-173199	Sequence 173199,
c1915	9.4	7.8	13	1	US-10-257-017B-150759	Sequence 150759,	c1988	9.4	7.8	13	1	US-10-257-017B-173200	Sequence 173200,
1916	9.4	7.8	13	1	US-10-257-017B-150760	Sequence 150760,	c1989	9.4	7.8	13	1	US-10-257-017B-173991	Sequence 173991,
c1917	9.4	7.8	13	1	US-10-257-017B-150983	Sequence 150983,	1990	9.4	7.8	13	1	US-10-257-017B-173992	Sequence 173992,
1918	9.4	7.8	13	1	US-10-257-017B-150984	Sequence 150984,	c1991	9.4	7.8	13	1	US-10-257-017B-174183	Sequence 174183,
c1919	9.4	7.8	13	1	US-10-257-017B-151827	Sequence 151827,	1992	9.4	7.8	13	1	US-10-257-017B-174184	Sequence 174184,
1920	9.4	7.8	13	1	US-10-257-017B-151828	Sequence 151828,	1993	9.4	7.8	13	1	US-10-257-017B-174185	Sequence 174185,
c1921	9.4	7.8	13	1	US-10-257-017B-152147	Sequence 152147,	c1994	9.4	7.8	13	1	US-10-257-017B-174186	Sequence 174186,
1922	9.4	7.8	13	1	US-10-257-017B-152148	Sequence 152148,	1995	9.4	7.8	13	1	US-10-257-017B-175085	Sequence 175085,
c1923	9.4	7.8	13	1	US-10-257-017B-153085	Sequence 153085,	c1996	9.4	7.8	13	1	US-10-257-017B-175086	Sequence 175086,
1924	9.4	7.8	13	1	US-10-257-017B-153086	Sequence 153086,	1997	9.4	7.8	13	1	US-10-257-017B-175475	Sequence 175475,
c1925	9.4	7.8	13	1	US-10-257-017B-154013	Sequence 154013,	c1998	9.4	7.8	13	1	US-10-257-017B-175476	Sequence 175476,
1926	9.4	7.8	13	1	US-10-257-017B-154014	Sequence 154014,	1999	9.4	7.8	13	1	US-10-257-017B-177799	Sequence 177799,
c1927	9.4	7.8	13	1	US-10-257-017B-154131	Sequence 154131,	c2000	9.4	7.8	13	1	US-10-257-017B-177800	Sequence 177800,
1928	9.4	7.8	13	1	US-10-257-017B-154132	Sequence 154132,	2001	9.4	7.8	13	1	US-10-257-017B-178107	Sequence 178107,
c1929	9.4	7.8	13	1	US-10-257-017B-154853	Sequence 154853,	c2002	9.4	7.8	13	1	US-10-257-017B-178108	Sequence 178108,
1930	9.4	7.8	13	1	US-10-257-017B-154854	Sequence 154854,	2003	9.4	7.8	13	1	US-10-257-017B-180163	Sequence 180163,
c1931	9.4	7.8	13	1	US-10-257-017B-155817	Sequence 155817,	c2004	9.4	7.8	13	1	US-10-257-017B-180164	Sequence 180164,

2005	9.4	7.8	13	1	US-10-257-017B-180525	Sequence 180525,	c2078	9.4	7.8	13	1	US-10-257-017B-199182	Sequence 199182,
c2006	9.4	7.8	13	1	US-10-257-017B-180526	Sequence 180526,	2079	9.4	7.8	13	1	US-10-257-017B-199489	Sequence 199489,
2007	9.4	7.8	13	1	US-10-257-017B-181553	Sequence 181553,	c2080	9.4	7.8	13	1	US-10-257-017B-199489	Sequence 199489,
c2008	9.4	7.8	13	1	US-10-257-017B-181554	Sequence 181554,	2081	9.4	7.8	13	1	US-10-257-017B-199490	Sequence 199490,
2009	9.4	7.8	13	1	US-10-257-017B-181559	Sequence 181559,	c2082	9.4	7.8	13	1	US-10-257-017B-199490	Sequence 199490,
c2010	9.4	7.8	13	1	US-10-257-017B-181590	Sequence 181590,	c2083	9.4	7.8	13	1	US-10-257-017B-199559	Sequence 199559,
c2011	9.4	7.8	13	1	US-10-257-017B-181653	Sequence 181653,	2084	9.4	7.8	13	1	US-10-257-017B-199560	Sequence 199560,
2012	9.4	7.8	13	1	US-10-257-017B-181654	Sequence 181654,	2085	9.4	7.8	13	1	US-10-257-017B-199831	Sequence 199831,
c2013	9.4	7.8	13	1	US-10-257-017B-181654	Sequence 181654,	c2086	9.4	7.8	13	1	US-10-257-017B-199832	Sequence 199832,
c2014	9.4	7.8	13	1	US-10-257-017B-183269	Sequence 183269,	c2087	9.4	7.8	13	1	US-10-257-017B-199903	Sequence 199903,
2015	9.4	7.8	13	1	US-10-257-017B-183270	Sequence 183270,	c2088	9.4	7.8	13	1	US-10-257-017B-199904	Sequence 199904,
c2016	9.4	7.8	13	1	US-10-257-017B-183270	Sequence 183270,	2089	9.4	7.8	13	1	US-10-257-017B-200227	Sequence 200227,
2017	9.4	7.8	13	1	US-10-257-017B-183773	Sequence 183773,	c2090	9.4	7.8	13	1	US-10-257-017B-200228	Sequence 200228,
c2018	9.4	7.8	13	1	US-10-257-017B-183774	Sequence 183774,	2091	9.4	7.8	13	1	US-10-257-017B-200747	Sequence 200747,
2019	9.4	7.8	13	1	US-10-257-017B-183793	Sequence 183793,	c2092	9.4	7.8	13	1	US-10-257-017B-200748	Sequence 200748,
c2020	9.4	7.8	13	1	US-10-257-017B-183794	Sequence 183794,	2093	9.4	7.8	13	1	US-10-257-017B-200783	Sequence 200783,
2021	9.4	7.8	13	1	US-10-257-017B-184677	Sequence 184677,	c2094	9.4	7.8	13	1	US-10-257-017B-200784	Sequence 200784,
c2022	9.4	7.8	13	1	US-10-257-017B-184678	Sequence 184678,	2095	9.4	7.8	13	1	US-10-257-017B-201111	Sequence 201111,
2023	9.4	7.8	13	1	US-10-257-017B-184707	Sequence 184707,	c2096	9.4	7.8	13	1	US-10-257-017B-201112	Sequence 201112,
2024	9.4	7.8	13	1	US-10-257-017B-184708	Sequence 184708,	c2097	9.4	7.8	13	1	US-10-257-017B-201125	Sequence 201125,
2025	9.4	7.8	13	1	US-10-257-017B-185251	Sequence 185251,	2098	9.4	7.8	13	1	US-10-257-017B-201126	Sequence 201126,
c2026	9.4	7.8	13	1	US-10-257-017B-185252	Sequence 185252,	2099	9.4	7.8	13	1	US-10-257-017B-201136	Sequence 201136,
2027	9.4	7.8	13	1	US-10-257-017B-186663	Sequence 186663,	c2100	9.4	7.8	13	1	US-10-257-017B-201367	Sequence 201367,
c2028	9.4	7.8	13	1	US-10-257-017B-186664	Sequence 186664,	2101	9.4	7.8	13	1	US-10-257-017B-201368	Sequence 201368,
2029	9.4	7.8	13	1	US-10-257-017B-186667	Sequence 186667,	2102	9.4	7.8	13	1	US-10-257-017B-201725	Sequence 201725,
c2030	9.4	7.8	13	1	US-10-257-017B-186668	Sequence 186668,	c2103	9.4	7.8	13	1	US-10-257-017B-201726	Sequence 201726,
2031	9.4	7.8	13	1	US-10-257-017B-187111	Sequence 187111,	c2104	9.4	7.8	13	1	US-10-257-017B-202599	Sequence 202599,
c2032	9.4	7.8	13	1	US-10-257-017B-187112	Sequence 187112,	2105	9.4	7.8	13	1	US-10-257-017B-202600	Sequence 202600,
2033	9.4	7.8	13	1	US-10-257-017B-188369	Sequence 188369,	c2106	9.4	7.8	13	1	US-10-257-017B-203051	Sequence 203051,
c2034	9.4	7.8	13	1	US-10-257-017B-188370	Sequence 188370,	2107	9.4	7.8	13	1	US-10-257-017B-203052	Sequence 203052,
2035	9.4	7.8	13	1	US-10-257-017B-188370	Sequence 188370,	c2108	9.4	7.8	13	1	US-10-257-017B-203197	Sequence 203197,
c2036	9.4	7.8	13	1	US-10-257-017B-189239	Sequence 189239,	2109	9.4	7.8	13	1	US-10-257-017B-203980	Sequence 203980,
2037	9.4	7.8	13	1	US-10-257-017B-189240	Sequence 189240,	c2110	9.4	7.8	13	1	US-10-257-017B-204039	Sequence 204039,
c2038	9.4	7.8	13	1	US-10-257-017B-190025	Sequence 190025,	2111	9.4	7.8	13	1	US-10-257-017B-204040	Sequence 204040,
2039	9.4	7.8	13	1	US-10-257-017B-190026	Sequence 190026,	c2112	9.4	7.8	13	1	US-10-257-017B-204237	Sequence 204237,
c2040	9.4	7.8	13	1	US-10-257-017B-190189	Sequence 190189,	2113	9.4	7.8	13	1	US-10-257-017B-204238	Sequence 204238,
2041	9.4	7.8	13	1	US-10-257-017B-190190	Sequence 190190,	c2114	9.4	7.8	13	1	US-10-257-017B-204595	Sequence 204595,
c2042	9.4	7.8	13	1	US-10-257-017B-190577	Sequence 190577,	2115	9.4	7.8	13	1	US-10-257-017B-204596	Sequence 204596,
2043	9.4	7.8	13	1	US-10-257-017B-190578	Sequence 190578,	c2116	9.4	7.8	13	1	US-10-257-017B-205837	Sequence 205837,
c2044	9.4	7.8	13	1	US-10-257-017B-192059	Sequence 192059,	2117	9.4	7.8	13	1	US-10-257-017B-205838	Sequence 205838,
2045	9.4	7.8	13	1	US-10-257-017B-192475	Sequence 192475,	c2118	9.4	7.8	13	1	US-10-257-017B-206059	Sequence 206059,
c2046	9.4	7.8	13	1	US-10-257-017B-192476	Sequence 192476,	2119	9.4	7.8	13	1	US-10-257-017B-206060	Sequence 206060,
2047	9.4	7.8	13	1	US-10-257-017B-193075	Sequence 193075,	c2120	9.4	7.8	13	1	US-10-257-017B-206125	Sequence 206125,
c2048	9.4	7.8	13	1	US-10-257-017B-193076	Sequence 193076,	2121	9.4	7.8	13	1	US-10-257-017B-206126	Sequence 206126,
2049	9.4	7.8	13	1	US-10-257-017B-194131	Sequence 194131,	c2122	9.4	7.8	13	1	US-10-257-017B-206163	Sequence 206163,
c2050	9.4	7.8	13	1	US-10-257-017B-194132	Sequence 194132,	2123	9.4	7.8	13	1	US-10-257-017B-206164	Sequence 206164,
2051	9.4	7.8	13	1	US-10-257-017B-194751	Sequence 194751,	c2124	9.4	7.8	13	1	US-10-257-017B-206635	Sequence 206635,
c2052	9.4	7.8	13	1	US-10-257-017B-194752	Sequence 194752,	2125	9.4	7.8	13	1	US-10-257-017B-206636	Sequence 206636,
2053	9.4	7.8	13	1	US-10-257-017B-195197	Sequence 195197,	c2126	9.4	7.8	13	1	US-10-257-017B-206934	Sequence 206934,
c2054	9.4	7.8	13	1	US-10-257-017B-195198	Sequence 195198,	2127	9.4	7.8	13	1	US-10-257-017B-206934	Sequence 206934,
2055	9.4	7.8	13	1	US-10-257-017B-196083	Sequence 196083,	c2128	9.4	7.8	13	1	US-10-257-017B-208263	Sequence 208263,
c2056	9.4	7.8	13	1	US-10-257-017B-196084	Sequence 196084,	2129	9.4	7.8	13	1	US-10-257-017B-208264	Sequence 208264,
2057	9.4	7.8	13	1	US-10-257-017B-196273	Sequence 196273,	c2130	9.4	7.8	13	1	US-10-257-017B-208429	Sequence 208429,
c2058	9.4	7.8	13	1	US-10-257-017B-196274	Sequence 196274,	2131	9.4	7.8	13	1	US-10-257-017B-208430	Sequence 208430,
2059	9.4	7.8	13	1	US-10-257-017B-196353	Sequence 196353,	c2132	9.4	7.8	13	1	US-10-257-017B-210130	Sequence 210130,
c2060	9.4	7.8	13	1	US-10-257-017B-196354	Sequence 196354,	2133	9.4	7.8	13	1	US-10-257-017B-210130	Sequence 210130,
2061	9.4	7.8	13	1	US-10-257-017B-196523	Sequence 196523,	c2134	9.4	7.8	13	1	US-10-257-017B-211121	Sequence 211121,
c2062	9.4	7.8	13	1	US-10-257-017B-196524	Sequence 196524,	2135	9.4	7.8	13	1	US-10-257-017B-211122	Sequence 211122,
2063	9.4	7.8	13	1	US-10-257-017B-196735	Sequence 196735,	c2136	9.4	7.8	13	1	US-10-257-017B-211301	Sequence 211301,
c2064	9.4	7.8	13	1	US-10-257-017B-196736	Sequence 196736,	2137	9.4	7.8	13	1	US-10-257-017B-211302	Sequence 211302,
2065	9.4	7.8	13	1	US-10-257-017B-196947	Sequence 196947,	c2138	9.4	7.8	13	1	US-10-257-017B-215643	Sequence 215643,
c2066	9.4	7.8	13	1	US-10-257-017B-196948	Sequence 196948,	2139	9.4	7.8	13	1	US-10-257-017B-215644	Sequence 215644,
2067	9.4	7.8	13	1	US-10-257-017B-197631	Sequence 197631,	c2140	9.4	7.8	13	1	US-10-257-017B-215901	Sequence 215901,
c2068	9.4	7.8	13	1	US-10-257-017B-197632	Sequence 197632,	2141	9.4	7.8	13	1	US-10-257-017B-215902	Sequence 215902,
2069	9.4	7.8	13	1	US-10-257-017B-197789	Sequence 197789,	c2142	9.4	7.8	13	1	US-10-257-017B-216635	Sequence 216635,
c2070	9.4	7.8	13	1	US-10-257-017B-197790	Sequence 197790,	2143	9.4	7.8	13	1	US-10-257-017B-216636	Sequence 216636,
2071	9.4	7.8	13	1	US-10-257-017B-198625	Sequence 198625,	c2144	9.4	7.8	13	1	US-10-257-017B-216851	Sequence 216851,
c2072	9.4	7.8	13	1	US-10-257-017B-198626	Sequence 198626,	2145	9.4	7.8	13	1	US-10-257-017B-216852	Sequence 216852,
2073	9.4	7.8	13	1	US-10-257-017B-198626	Sequence 198626,	c2146	9.4	7.8	13	1	US-10-257-017B-217773	Sequence 217773,
c2074	9.4	7.8	13	1	US-10-257-017B-198800	Sequence 198800,	2147	9.4	7.8	13	1	US-10-257-017B-217774	Sequence 217774,
2075	9.4	7.8	13	1	US-10-257-017B-199089	Sequence 199089,	c2148	9.4	7.8	13	1	US-10-257-017B-220285	Sequence 220285,
c2076	9.4	7.8	13	1	US-10-257-017B-199090	Sequence 199090,	2149	9.4	7.8	13	1	US-10-257-017B-220286	Sequence 220286,
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2151	9.4	7.8	13	1	US-10-257-017B-221143	Sequence 221143,	c2244	9.4	7.8	13	1	US-10-257-017B-236868	Sequence 236868,
2152	9.4	7.8	13	1	US-10-257-017B-221144	Sequence 221144,	2225	9.4	7.8	13	1	US-10-257-017B-237655	Sequence 237655,
2153	9.4	7.8	13	1	US-10-257-017B-221147	Sequence 221147,	c2226	9.4	7.8	13	1	US-10-257-017B-237655	Sequence 237655,
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2155	9.4	7.8	13	1	US-10-257-017B-221425	Sequence 221425,	c2228	9.4	7.8	13	1	US-10-257-017B-237656	Sequence 237656,
2156	9.4	7.8	13	1	US-10-257-017B-222426	Sequence 222426,	2229	9.4	7.8	13	1	US-10-257-017B-237671	Sequence 237671,
2157	9.4	7.8	13	1	US-10-257-017B-222615	Sequence 222615,	c2230	9.4	7.8	13	1	US-10-257-017B-237672	Sequence 237672,
2158	9.4	7.8	13	1	US-10-257-017B-222616	Sequence 222616,	2231	9.4	7.8	13	1	US-10-257-017B-237979	Sequence 237979,
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2162	9.4	7.8	13	1	US-10-257-017B-224326	Sequence 224326,	2235	9.4	7.8	13	1	US-10-257-017B-238939	Sequence 238939,
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2165	9.4	7.8	13	1	US-10-257-017B-225747	Sequence 225747,	c2238	9.4	7.8	13	1	US-10-257-017B-239168	Sequence 239168,
2166	9.4	7.8	13	1	US-10-257-017B-225748	Sequence 225748,	2239	9.4	7.8	13	1	US-10-257-017B-239611	Sequence 239611,
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2172	9.4	7.8	13	1	US-10-257-017B-226274	Sequence 226274,	2245	9.4	7.8	13	1	US-10-257-017B-241101	Sequence 241101,
2173	9.4	7.8	13	1	US-10-257-017B-226559	Sequence 226559,	c2246	9.4	7.8	13	1	US-10-257-017B-241102	Sequence 241102,
2174	9.4	7.8	13	1	US-10-257-017B-226560	Sequence 226560,	2247	9.4	7.8	13	1	US-10-257-017B-241349	Sequence 241349,
2175	9.4	7.8	13	1	US-10-257-017B-226645	Sequence 226645,	c2248	9.4	7.8	13	1	US-10-257-017B-241350	Sequence 241350,
2176	9.4	7.8	13	1	US-10-257-017B-226646	Sequence 226646,	2249	9.4	7.8	13	1	US-10-257-017B-241535	Sequence 241535,
2177	9.4	7.8	13	1	US-10-257-017B-227033	Sequence 227033,	c2250	9.4	7.8	13	1	US-10-257-017B-241536	Sequence 241536,
2178	9.4	7.8	13	1	US-10-257-017B-227034	Sequence 227034,	c2251	9.4	7.8	13	1	US-10-257-017B-241675	Sequence 241675,
2179	9.4	7.8	13	1	US-10-257-017B-227275	Sequence 227275,	2252	9.4	7.8	13	1	US-10-257-017B-241676	Sequence 241676,
2180	9.4	7.8	13	1	US-10-257-017B-227276	Sequence 227276,	c2253	9.4	7.8	13	1	US-10-257-017B-241683	Sequence 241683,
2181	9.4	7.8	13	1	US-10-257-017B-228151	Sequence 228151,	c2254	9.4	7.8	13	1	US-10-257-017B-241684	Sequence 241684,
2182	9.4	7.8	13	1	US-10-257-017B-228152	Sequence 228152,	2255	9.4	7.8	13	1	US-10-257-017B-241889	Sequence 241889,
2183	9.4	7.8	13	1	US-10-257-017B-228457	Sequence 228457,	c2256	9.4	7.8	13	1	US-10-257-017B-241890	Sequence 241890,
2184	9.4	7.8	13	1	US-10-257-017B-228458	Sequence 228458,	2257	9.4	7.8	13	1	US-10-257-017B-241971	Sequence 241971,
2185	9.4	7.8	13	1	US-10-257-017B-229433	Sequence 229433,	c2258	9.4	7.8	13	1	US-10-257-017B-241972	Sequence 241972,
2186	9.4	7.8	13	1	US-10-257-017B-229434	Sequence 229434,	2259	9.4	7.8	13	1	US-10-257-017B-241973	Sequence 241973,
2187	9.4	7.8	13	1	US-10-257-017B-229733	Sequence 229733,	c2260	9.4	7.8	13	1	US-10-257-017B-241974	Sequence 241974,
2188	9.4	7.8	13	1	US-10-257-017B-229734	Sequence 229734,	2261	9.4	7.8	13	1	US-10-257-017B-243445	Sequence 243445,
2189	9.4	7.8	13	1	US-10-257-017B-230253	Sequence 230253,	c2262	9.4	7.8	13	1	US-10-257-017B-243446	Sequence 243446,
2190	9.4	7.8	13	1	US-10-257-017B-230254	Sequence 230254,	2263	9.4	7.8	13	1	US-10-257-017B-245973	Sequence 245973,
2191	9.4	7.8	13	1	US-10-257-017B-230411	Sequence 230411,	c2264	9.4	7.8	13	1	US-10-257-017B-245974	Sequence 245974,
2192	9.4	7.8	13	1	US-10-257-017B-230412	Sequence 230412,	2265	9.4	7.8	13	1	US-10-257-017B-246077	Sequence 246077,
2193	9.4	7.8	13	1	US-10-257-017B-230441	Sequence 230441,	c2266	9.4	7.8	13	1	US-10-257-017B-246078	Sequence 246078,
2194	9.4	7.8	13	1	US-10-257-017B-230442	Sequence 230442,	2267	9.4	7.8	13	1	US-10-257-017B-246369	Sequence 246369,
2195	9.4	7.8	13	1	US-10-257-017B-230443	Sequence 230443,	c2268	9.4	7.8	13	1	US-10-257-017B-246370	Sequence 246370,
2196	9.4	7.8	13	1	US-10-257-017B-230444	Sequence 230444,	2269	9.4	7.8	13	1	US-10-257-017B-247111	Sequence 247111,
2197	9.4	7.8	13	1	US-10-257-017B-230607	Sequence 230607,	c2270	9.4	7.8	13	1	US-10-257-017B-247112	Sequence 247112,
2198	9.4	7.8	13	1	US-10-257-017B-230608	Sequence 230608,	2271	9.4	7.8	13	1	US-10-257-017B-247215	Sequence 247215,
2199	9.4	7.8	13	1	US-10-257-017B-231333	Sequence 231333,	c2272	9.4	7.8	13	1	US-10-257-017B-247216	Sequence 247216,
2200	9.4	7.8	13	1	US-10-257-017B-231334	Sequence 231334,	2273	9.4	7.8	13	1	US-10-257-017B-247435	Sequence 247435,
2201	9.4	7.8	13	1	US-10-257-017B-231663	Sequence 231663,	c2274	9.4	7.8	13	1	US-10-257-017B-247436	Sequence 247436,
2202	9.4	7.8	13	1	US-10-257-017B-231664	Sequence 231664,	2275	9.4	7.8	13	1	US-10-257-017B-248225	Sequence 248225,
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2359	9.4	7.8	13	1	US-10-708-951-41690	Sequence 41690, A	2432	8.8	7.3	13	1	US-10-257-017B-94473	Sequence 94473, A
2360	9.4	7.8	13	1	US-10-708-951-43407	Sequence 43407, A	2433	8.8	7.3	13	1	US-10-257-017B-94474	Sequence 94474, A
2361	9.4	7.8	13	1	US-10-708-951-44220	Sequence 44220, A	2434	8.8	7.3	13	1	US-10-257-017B-197631	Sequence 197631, A
2362	9.4	7.8	13	1	US-10-708-951-44435	Sequence 44435, A	2435	8.8	7.3	13	1	US-10-257-017B-197632	Sequence 197632, A
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2364	9.4	7.8	13	1	US-10-708-951-49986	Sequence 49986, A	2437	8.8	7.3	13	1	US-10-257-017B-201368	Sequence 201368, A
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ALIGNMENTS

RESULT 1
PCT-US03-37082A-30/c
; Sequence 30, Application PC/TUS0337082A
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Ravi Jain
; TITLE OF INVENTION: MODULATION OF BUB1-BETA EXPRESSION
; FILE REFERENCE: RTS-0461WO
; CURRENT APPLICATION NUMBER: PCT/US03/37082A
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: US 10/316,459
; PRIOR FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 175
; SEQ ID NO 30
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US03-37082A-30
Query Match 12.7%; Score 15.4; DB 1; Length 20;
Best Local Similarity 94.1%; Pred. No. 56;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 692 ACTGATTGCTGTACCG 708
DB 17 ACTGATGCTGTACCG 1
RESULT 2
PCT-US03-37082A-108
; Sequence 108, Application PC/TUS0337082A
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals Inc.
; APPLICANT: C. Frank Bennett
; APPLICANT: Ravi Jain
; TITLE OF INVENTION: MODULATION OF BUB1-BETA EXPRESSION
; FILE REFERENCE: RTS-0461WO
; CURRENT APPLICATION NUMBER: PCT/US03/37082A
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: US 10/316,459
; PRIOR FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 175
; SEQ ID NO 108
; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
PCT-US03-37082A-108
Query Match 12.7%; Score 15.4; DB 1; Length 20;
Best Local Similarity 94.1%; Pred. No. 56;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 692 ACTGATTGCTGTACCG 708
DB 4 ACTGATGCTGTACCG 20
RESULT 3
PCT-US04-00035-10589
; Sequence 10589, Application PC/TUS0400035
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; TITLE OF INVENTION: CANCERS

FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: PCT/US04/00035
CURRENT FILING DATE: 2004-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: PatentIn version 3.2
SEQ ID NO 10589
LENGTH: 21
TYPE: RNA
ORGANISM: RNAI
PCT-US04-00035-10589

Query Match 12.1%; Score 14.6; DB 1; Length 21;
Best Local Similarity 42.9%; Pred. No. 96;
Matches 9; Conservative 8; Mismatches 4; Indels 0; Gaps 0;

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RESULT 4

PCT-US04-00035-10736
Sequence 10736, Application PC/TUS0400035
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: PCT/US04/00035
CURRENT FILING DATE: 2004-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: PatentIn version 3.2
SEQ ID NO 10736
LENGTH: 21
TYPE: RNA
ORGANISM: RNAI
PCT-US04-00035-10736

Query Match 12.1%; Score 14.6; DB 1; Length 21;
Best Local Similarity 42.9%; Pred. No. 96;
Matches 9; Conservative 8; Mismatches 4; Indels 0; Gaps 0;

Qy 716 TGTGGCCATCTAGACCTTT 736
Db 1 UGUCGCGCUUACACCUUUU 21

RESULT 5

US-10-770-726-44563
Sequence 44563, Application US/10770726
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
FILE REFERENCE: AM101079 (031896-010000)
CURRENT APPLICATION NUMBER: US/10/770,726
CURRENT FILING DATE: 2004-02-04
NUMBER OF SEQ ID NOS: 48640
SOFTWARE: PatentIn version 3.2
SEQ ID NO 44563
LENGTH: 21
TYPE: RNA
ORGANISM: RNAI
US-10-770-726-44563

Query Match 11.7%; Score 14.2; DB 1; Length 21;
Best Local Similarity 68.4%; Pred. No. 1.2e+02;
Matches 13; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 680 GCAGCGGAGATCTGATT 698
Db 3 GCAGCAGAGAUCCGGAU 21

RESULT 8

US-10-770-726-32932
Sequence 32932, Application US/10770726
GENERAL INFORMATION:
APPLICANT: Wyeth

Query Match 12.1%; Score 14.6; DB 1; Length 21;
Best Local Similarity 57.1%; Pred. No. 96;
Matches 12; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 712 TTGCTGTGGCCATCTAGACC 732
Db 1 UUCUGUAGGUCAUCAGACC 21

RESULT 6

US-10-770-726-44566
Sequence 44566, Application US/10770726
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
FILE REFERENCE: AM101079 (031896-010000)
CURRENT APPLICATION NUMBER: US/10/770,726
CURRENT FILING DATE: 2004-02-04
NUMBER OF SEQ ID NOS: 48640
SOFTWARE: PatentIn version 3.2
SEQ ID NO 44566
LENGTH: 21
TYPE: RNA
ORGANISM: RNAI
US-10-770-726-44566

Query Match 12.1%; Score 14.6; DB 1; Length 21;
Best Local Similarity 57.1%; Pred. No. 96;
Matches 12; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 713 TCTGTGGCCATCTAGACCT 733
Db 1 UUCUGUAGGUCAUCAGACCU 21

RESULT 7

US-10-770-726-19413
Sequence 19413, Application US/10770726
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
FILE REFERENCE: AM101079 (031896-010000)
CURRENT APPLICATION NUMBER: US/10/770,726
CURRENT FILING DATE: 2004-02-04
NUMBER OF SEQ ID NOS: 48640
SOFTWARE: PatentIn version 3.2
SEQ ID NO 19413
LENGTH: 21
TYPE: RNA
ORGANISM: RNAI
US-10-770-726-19413

Query Match 11.7%; Score 14.2; DB 1; Length 21;
Best Local Similarity 68.4%; Pred. No. 1.2e+02;
Matches 13; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 680 GCAGCGGAGATCTGATT 698
Db 3 GCAGCAGAGAUCCGGAU 21

```
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
; FILE REFERENCE: AM101079 (031896-010000)
; CURRENT APPLICATION NUMBER: US/10/770,726
; CURRENT FILING DATE: 2004-02-04
; NUMBER OF SEQ ID NOS: 48640
; SOFTWARE: Patent version 3.2
; SEQ ID NO 32932
; LENGTH: 21
; TYPE: RNA
; ORGANISM: RNAI
US-10-770-726-32932

Query Match      11.4%; Score 13.8; DB 1; Length 21;
Best Local Similarity 47.1%; Pred. No. 1.5e+02;
Matches 8; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

Qy      725 TCTAGACCTTTTACCTT 741
Db      2 UCUGAGCGUUUACCUU 18
      :.:::||||:
      :.:::||||:

RESULT 9
PCT-US03-27118-52
; Sequence 52, Application PC/TUS0327118
; GENERAL INFORMATION:
; APPLICANT: NAXCOR
; APPLICANT: Peoples, Risa
; APPLICANT: Van Atta, Reuel B.
; TITLE OF INVENTION: POLYMORPHISM DETECTION AMONG HOMOLOGOUS SEQUENCES
; FILE REFERENCE: NX23-PCT
; CURRENT APPLICATION NUMBER: PCT/US03/27118
; CURRENT FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US 60/407,598
; PRIOR FILING DATE: 2002-08-29
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: Patent version 3.2
; SEQ ID NO 52
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2)..(2)
; OTHER INFORMATION: "r" represents a non-nucleosidic cross-linking agent
PCT-US03-27118-52

Query Match      11.1%; Score 13.4; DB 1; Length 16;
Best Local Similarity 87.5%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      664 ACAGAGGCTTTTACTTT 679
Db      1 ANAGAGGGTATACCTT 16
      :|||||
      :|||||

RESULT 10
US-10-021-698A-5432/c
; Sequence 5432, Application US/10021698A
; GENERAL INFORMATION:
; APPLICANT: KEITH, TIM
; APPLICANT: LITTLE, RANDALL
; APPLICANT: VAN BERDEWEGH, PAUL
; APPLICANT: DUPUIS, JOSEF
; APPLICANT: DEL MASTRO, RICHARD
; APPLICANT: SIMON, JASON
; APPLICANT: ALLEN, KRISTINA
; APPLICANT: PANDIT, SUNIL
; TITLE OF INVENTION: NUCLEOTIDE AND AMINO ACID SEQUENCES RELATING TO
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; TITLE OF INVENTION: RESPIRATORY DISEASES AND OBESITY
; FILE REFERENCE: 2976-4044US1
; CURRENT APPLICATION NUMBER: US/10/021,698A
; CURRENT FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 60/211,749
; PRIOR FILING DATE: 2000-06-14
; NUMBER OF SEQ ID NOS: 6160
; SOFTWARE: Patentin 2.1
; SEQ ID NO 5432
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-021-698A-5432

Query Match      10.9%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      753 ATAATATGGGTCAAGAAG 770
Db      20 ACAATCTGGGCAGAAG 3
      :|||||
      :|||||

RESULT 11
US-10-257-017B-171709
; Sequence 171709, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171709
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042802
US-10-257-017B-171709

Query Match      10.7%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      742 GAGGATTATTGAT 754
Db      1 GAGGATTATTGAT 13
      :|||||
      :|||||

RESULT 12
US-10-257-017B-171710/c
; Sequence 171710, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171710
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; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042802
US-10-257-017B-171710

Query Match      10.7%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 742 GAGGATTATTGAT 754
Db 13 GAGGATTATTGAT 1

RESULT 13
US-10-664-668-196
; Sequence 196, Application US/10664668
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Pavco, Pamela
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
; TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: 400/130 (MBH02-742-E)
; CURRENT APPLICATION NUMBER: US/10/664,668
; CURRENT FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: PCT/US 03/05022
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/399,348
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/393,796
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/287,949
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/306,747
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: PCT/US 02/17674
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/406,784
; PRIOR FILING DATE: 2002-08-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2455
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 623
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-664-668-623

Query Match      10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 2.4e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 712 TTGCTGTGGGCATCT 727
Db 19 TTGCTGTGGGAATCT 4

RESULT 15
US-10-665-951-196
; Sequence 196, Application US/10665951
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Pavco, Pamela
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
; TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: 400/131 (MBH02-742-F)
; CURRENT APPLICATION NUMBER: US/10/665,951
; CURRENT FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 10/664,668
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: PCT/US 03/05022
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/399,348
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/393,796
; PRIOR FILING DATE: 2002-07-03

US-10-664-668-196
; Sequence 196, Application US/10664668
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Pavco, Pamela
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
; TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: 400/130 (MBH02-742-E)
; CURRENT APPLICATION NUMBER: US/10/664,668
; CURRENT FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: PCT/US 03/05022
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/399,348
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/393,796
; PRIOR FILING DATE: 2002-07-03

US-10-664-668-623/c
; Sequence 623, Application US/10664668
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; PRIOR APPLICATION NUMBER: US 10/287,949
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/306,747
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: PCT/US 02/17674
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2455
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 196
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
;
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense
US-10-665-951-623/c
Query Match      10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 50.0%; Pred. No. 2.4e+02;
Matches 8; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

Qy 712 TTGCTGTGGGCATCT 727
Db 1 UUGCUGUGGAAAUUC 16

RESULT 16
US-10-665-951-623/c
; Sequence 623, Application US/10665951
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Pavco, Pamela
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
; TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: 400/131 (MBH02-742-F)
; CURRENT APPLICATION NUMBER: US/10/665,951
; CURRENT FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 10/664,668
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: PCT/US 03/05022
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/399,348
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/393,796
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/287,949
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/306,747
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: PCT/US 02/17674
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 10/665,951
; PRIOR FILING DATE: 2003-09-18
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2455
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 623
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
;
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-665-951-623
Query Match      10.6%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 2.4e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 712 TTGCTGTGGGCATCT 727
Db 19 TTGCTGTGGGAAATCT 4

RESULT 17
US-10-664-668-1051
; Sequence 1051, Application US/10664668
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Pavco, Pamela
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
; TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: 400/130 (MBH02-742-E)
; CURRENT APPLICATION NUMBER: US/10/664,668
; CURRENT FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: PCT/US 03/05022
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/399,348
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/393,796
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/287,949
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/306,747
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: PCT/US 02/17674
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/406,784
; PRIOR FILING DATE: 2002-08-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2455
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1051
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
;
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense
US-10-664-668-1051
Query Match      10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 57.9%; Pred. No. 2.6e+02;
Matches 11; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 654 ACAGCTTTGGACAGAGGCT 672
Db 1 ACAUUUUUGACAGAGUGU 19

RESULT 18
US-10-664-668-1375/c
; Sequence 1375, Application US/10664668
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
```

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; APPLICANT: Beigelman, Leonid
; APPLICANT: Pavco, Pamela
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
; TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/130 (MBH02-742-E)
; CURRENT APPLICATION NUMBER: US/10/664,668
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: PCT/US 03/05022
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/399,348
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/393,796
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/287,949
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/306,747
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: PCT/US 02/17674
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/406,784
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2455
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 1375
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
; US-10-664-668-1375

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 2.6e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 654 ACAGCTTTGACAGAGGCT 672
Db 19 ACAATTTTGACAGAGTGT 1

RESULT 19
US-10-665-951-1051
; Sequence 1051, Application US/10665951
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Pavco, Pamela
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
; TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/131 (MBH02-742-F)
; CURRENT APPLICATION NUMBER: US/10/665,951
; CURRENT FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 10/664,668
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: PCT/US 03/05022
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/399,348
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/393,796
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/287,949
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/306,747
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: PCT/US 02/17674
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2455
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 1375
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
; US-10-664-668-1375
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; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: PCT/US 02/17674
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; PRIOR FILING DATE: 2002-06-06
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2455
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 1051
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
; US-10-665-951-1051

Query Match 10.4%; Score 12.6; DB 1; Length 19;
Best Local Similarity 57.9%; Pred. No. 2.6e+02;
Matches 11; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 654 ACAGCTTTGACAGAGGCT 672
Db 1 ACAAUUUUGACAGAGUGU 19

RESULT 20
US-10-665-951-1375/c
; Sequence 1375, Application US/10665951
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: Pavco, Pamela
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
; TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/131 (MBH02-742-F)
; CURRENT APPLICATION NUMBER: US/10/665,951
; CURRENT FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 10/664,668
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: PCT/US 03/05022
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: US 60/399,348
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: US 60/393,796
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 10/287,949
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/306,747
; PRIOR FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: PCT/US 02/17674
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/386,782
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2455
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 1375
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
; US-10-665-951-1375
```


; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324862
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032268
US-10-257-017B-324862

Query Match 9.9%; Score 12; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 745 GATTATTGATAA 756
|||||
DB 12 GATTATTGATAA 1

RESULT 26
US-10-257-017B-4181
; Sequence 4181, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 4181
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001555
US-10-257-017B-4181

Query Match 9.9%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759
|||||
DB 1 TATTGATAATAT 12

RESULT 27
US-10-257-017B-4182/c
; Sequence 4182, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 4182
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001555

US-10-257-017B-4182

Query Match 9.9%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759
|||||
DB 13 TATTGATAATAT 2

RESULT 28
US-10-257-017B-64775
; Sequence 64775, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64775
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017077
US-10-257-017B-64775

Query Match 9.9%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
|||||
DB 1 TTGAGGATTATT 12

RESULT 29
US-10-257-017B-64776/c
; Sequence 64776, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64776
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017077
US-10-257-017B-64776

Query Match 9.9%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
|||||
DB 13 TTGAGGATTATT 2

```

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110673
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110673

Query Match          9.9%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
DB      1 ATTATTGATAAT 12

RESULT 33
US-10-257-017B-110674/c
; Sequence 110674, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110674
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110674

Query Match          9.9%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
DB      13 ATTATTGATAAT 2

RESULT 34
US-10-257-017B-259471
; Sequence 259471, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259471

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67109
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017577
US-10-257-017B-67109

Query Match          9.9%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
DB      1 ATTATTGATAAT 12

RESULT 31
US-10-257-017B-67110/c
; Sequence 67110, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67110
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017577
US-10-257-017B-67110

Query Match          9.9%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
DB      13 ATTATTGATAAT 2

RESULT 32
US-10-257-017B-110673
; Sequence 110673, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```


; Sequence 36840, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36840
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011528
US-10-257-017B-36840

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 741 TGAGGATTATTGA 753
Db 13 TGAGGATTATTGA 1

RESULT 40
US-10-257-017B-45669
; Sequence 45669, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 45669
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013276
US-10-257-017B-45669

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATTAATAT 759
Db 1 TTATTGATTAATTT 13

RESULT 41
US-10-257-017B-45670/c
; Sequence 45670, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 45670
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013276
US-10-257-017B-45670

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATTAATAT 759
Db 13 TTATTGATTAATTT 1

RESULT 42
US-10-257-017B-81845
; Sequence 81845, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81845
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020690
US-10-257-017B-81845

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 753 ATAATATGGGTCA 765
Db 1 ATAATATGGGTGA 13

RESULT 43
US-10-257-017B-81846/c
; Sequence 81846, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81846
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013276
US-10-257-017B-81846

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020690
US-10-257-017B-81846

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1;

QY 753 ATAAATATGGGTCGA 765
DB 13 ATAAATATGGGTCGA 1

RESULT 44

US-10-257-017B-87341
; Sequence 87341, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 87341
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021970
US-10-257-017B-87341

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1;

QY 744 GGATTATTGATTA 756
DB 1 GGATTATTGATTA 13

RESULT 45

US-10-257-017B-87342/c
; Sequence 87342, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 87342
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021970
US-10-257-017B-87342

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1;

QY 744 GGATTATTGATTA 756
DB 1 GGATTATTGATTA 13

DB 13 GGATTATTGATTA 1

RESULT 46

US-10-257-017B-104319
; Sequence 104319, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104319
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104319

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1;

QY 747 TTATTGATTAATAT 759
DB 1 TTATTGATTAATAT 13

RESULT 47

US-10-257-017B-104320/c
; Sequence 104320, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104320
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104320

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1;

QY 747 TTATTGATTAATAT 759
DB 13 TTATTGATTAATAT 1

RESULT 48

US-10-257-017B-105659
; Sequence 105659, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105660
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026485
US-10-257-017B-105660

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 741 TGAGGATTATGA 753
Db 1 TGAGGTTTATTTA 13

RESULT 49
US-10-257-017B-105660/c
; Sequence 105660, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105660
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026485
US-10-257-017B-105660

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 741 TGAGGATTATGA 753
Db 13 TGAGGTTTATTTA 1

RESULT 50
US-10-257-017B-108229
; Sequence 108229, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 108229
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027101
US-10-257-017B-108229

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 666 AGAGGGTTTACTT 678
Db 1 AGAGGGTTTATTT 13

RESULT 51
US-10-257-017B-108230/c
; Sequence 108230, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 108230
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027101
US-10-257-017B-108230

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 666 AGAGGGTTTACTT 678
Db 13 AGAGGGTTTATTT 1

RESULT 52
US-10-257-017B-114003
; Sequence 114003, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114003
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028537
US-10-257-017B-114003

Query Match 9.4%; Score 11.4; DB 1; Length 13;

```
Best Local Similarity 92.3%; Pred. No. 3e+02; Mismatches 0; Indels 1; Gaps 0;
Matches 12; Conservative 0;

QY 708 GAAATTGCTGTGG 720
   |||||
Db 1 GAAATTGATGTGG 13

RESULT 53
US-10-257-017B-114004/c
; Sequence 114004, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114004
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028537
US-10-257-017B-114004

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; Mismatches 0; Indels 1; Gaps 0;
Matches 12; Conservative 0;

QY 708 GAAATTGCTGTGG 720
   |||||
Db 13 GAAATTGATGTGG 1

RESULT 54
US-10-257-017B-115353
; Sequence 115353, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115353
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115353

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; Mismatches 0; Indels 1; Gaps 0;
Matches 12; Conservative 0;

QY 754 TAATATGGGTCAA 766
   |||||
Db 1 TAATATGGGTCAA 13
```

```
US-10-257-017B-115354/c
; Sequence 115354, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115354
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115354

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; Mismatches 0; Indels 1; Gaps 0;
Matches 12; Conservative 0;

QY 754 TAATATGGGTCAA 766
   |||||
Db 13 TAATATGGGTCAA 1

RESULT 56
US-10-257-017B-122701
; Sequence 122701, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122701
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030669
US-10-257-017B-122701

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; Mismatches 0; Indels 1; Gaps 0;
Matches 12; Conservative 0;

QY 746 ATTATTGATTAATA 758
   |||||
Db 1 ATTATTGATTAATA 13

RESULT 57
US-10-257-017B-122702/c
; Sequence 122702, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122702
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030669
US-10-257-017B-122702

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 759
DB 13 ATTATTGTAATA 1

RESULT 58
US-10-257-017B-126073
; Sequence 126073, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 126073
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031546
US-10-257-017B-126073

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATATG 760
DB 1 TATTGATTATATG 13

RESULT 59
US-10-257-017B-126074/c
; Sequence 126074, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 126074
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031546
US-10-257-017B-126074

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATATG 760
DB 13 TATTGATTATATG 1

RESULT 60
US-10-257-017B-147335
; Sequence 147335, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147335
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037214
US-10-257-017B-147335

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
DB 1 TTTTGTGATAATAT 13

RESULT 61
US-10-257-017B-147336/c
; Sequence 147336, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147336
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037214
US-10-257-017B-147336

Query Match 9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759

	Dt	TGTTTGAATAT 1
	Db	701 TGACCCGAAATT 713 1 TATACCGAATT 1
	RESULT 62	
	US-10-257-017B-153887/c	
	; Sequence 153887, Application US/10257017B	
	; GENERAL INFORMATION:	
	; APPLICANT: Alexander Olek	
	; APPLICANT: Christian Piepenbrock	
	; APPLICANT: Kurt Berlin	
	; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine	
	; FILE REFERENCE: E01/1193/WO	
	; CURRENT FILING DATE: 2002-10-07	
	; PRIOR APPLICATION NUMBER: DE 10019173.8	
	; PRIOR FILING DATE: 2000-04-07	
	; NUMBER OF SEQ ID NOS: 382046	
	; SEQ ID NO 153887	
	; LENGTH: 13	
	; TYPE: DNA	
	; ORGANISM: Artificial Sequence	
	; FEATURE:	
	; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038905	
	US-10-257-017B-153887	
	Query Match 9.4%; Score 11.4; DB 1; Length 13;	
	Best Local Similarity 92.3%; Pred. No. 3e+02;	
	Mismatches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
	QY 701 TGACCCGAAATT 713	
	Db 13 TATACCGAATT 1	
	RESULT 63	
	US-10-257-017B-153888	
	; Sequence 153888, Application US/10257017B	
	; GENERAL INFORMATION:	
	; APPLICANT: Alexander Olek	
	; APPLICANT: Christian Piepenbrock	
	; APPLICANT: Kurt Berlin	
	; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine	
	; FILE REFERENCE: E01/1193/WO	
	; CURRENT FILING DATE: 2002-10-07	
	; PRIOR APPLICATION NUMBER: DE 10019173.8	
	; PRIOR FILING DATE: 2000-04-07	
	; NUMBER OF SEQ ID NOS: 382046	
	; SEQ ID NO 153888	
	; LENGTH: 13	
	; TYPE: DNA	
	; ORGANISM: Artificial Sequence	
	; FEATURE:	
	; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038905	
	US-10-257-017B-153888	
	Query Match 9.4%; Score 11.4; DB 1; Length 13;	
	Best Local Similarity 92.3%; Pred. No. 3e+02;	
	Mismatches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
	QY 701 TGACCCGAAATT 713	
	Db 1 TATACCGAATT 13	
	RESULT 64	
	US-10-257-017B-171707	
	; Sequence 171707, Application US/10257017B	
	; GENERAL INFORMATION:	
	; APPLICANT: Alexander Olek	
	; APPLICANT: Christian Piepenbrock	
	; APPLICANT: Kurt Berlin	
	; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine	
	; FILE REFERENCE: E01/1193/WO	
	; CURRENT FILING DATE: 2002-10-07	
	; PRIOR APPLICATION NUMBER: DE 10019173.8	
	; PRIOR FILING DATE: 2000-04-07	
	; NUMBER OF SEQ ID NOS: 382046	
	; SEQ ID NO 171707	
	; LENGTH: 13	
	; TYPE: DNA	
	; ORGANISM: Artificial Sequence	
	; FEATURE:	
	; OTHER INFORMATION: Oligonucleotide for detection of SNP TSCC042802	
	US-10-257-017B-171707	
	Query Match 9.4%; Score 11.4; DB 1; Length 13;	
	Best Local Similarity 92.3%; Pred. No. 3e+02;	
	Mismatches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
	QY 742 GAGGATAATTGCAT 754	
	Db 13 GAGGATAATTGCAT 1	
	RESULT 65	
	US-10-257-017B-171708/c	
	; Sequence 171708, Application US/10257017B	
	; GENERAL INFORMATION:	
	; APPLICANT: Alexander Olek	
	; APPLICANT: Christian Piepenbrock	
	; APPLICANT: Kurt Berlin	
	; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine	
	; FILE REFERENCE: E01/1193/WO	
	; CURRENT FILING DATE: 2002-10-07	
	; PRIOR APPLICATION NUMBER: DE 10019173.8	
	; PRIOR FILING DATE: 2000-04-07	
	; NUMBER OF SEQ ID NOS: 382046	
	; SEQ ID NO 171708	
	; LENGTH: 13	
	; TYPE: DNA	
	; ORGANISM: Artificial Sequence	
	; FEATURE:	
	; OTHER INFORMATION: Oligonucleotide for detection of SNP TSCC042802	
	US-10-257-017B-171708	
	Query Match 9.4%; Score 11.4; DB 1; Length 13;	
	Best Local Similarity 92.3%; Pred. No. 3e+02;	
	Mismatches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
	QY 742 GAGGATAATTGCAT 754	
	Db 13 GAGGATAATTGCAT 1	
	RESULT 66	
	US-10-257-017B-174161	
	; Sequence 174161, Application US/10257017B	
	; GENERAL INFORMATION:	
	; APPLICANT: Alexander Olek	
	; APPLICANT: Christian Piepenbrock	
	; APPLICANT: Kurt Berlin	
	; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine	
	; FILE REFERENCE: E01/1193/WO	
	; CURRENT FILING DATE: 2002-10-07	
	; PRIOR APPLICATION NUMBER: DE 10019173.8	
	; PRIOR FILING DATE: 2000-04-07	
	; NUMBER OF SEQ ID NOS: 382046	
	; SEQ ID NO 174161	
	; LENGTH: 13	
	; TYPE: DNA	
	; ORGANISM: Artificial Sequence	
	; FEATURE:	
	; OTHER INFORMATION: Oligonucleotide for detection of SNP TSCC042802	
	US-10-257-017B-174161	
	Query Match 9.4%; Score 11.4; DB 1; Length 13;	
	Best Local Similarity 92.3%; Pred. No. 3e+02;	
	Mismatches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
	QY 742 GAGGATAATTGCAT 754	
	Db 13 GAGGATAATTGCAT 1	

[illegible][illegible]

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 174161
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043331
US-10-257-017B-174161

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
Db 1 AGGATTATTGATA 13

RESULT 67
US-10-257-017B-174162/c
; Sequence 174162, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 174162
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043331
US-10-257-017B-174162

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
Db 1 AGGATTATTGATA 13

RESULT 68
US-10-257-017B-175875
; Sequence 175875, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 175875
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043673
US-10-257-017B-175875

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
Db 1 AGGATTATTGATA 13

RESULT 69
US-10-257-017B-175876/c
; Sequence 175876, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 175876
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043673
US-10-257-017B-175876

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAATAT 759
Db 1 TTATTGATAATAT 13

RESULT 70
US-10-257-017B-183113
; Sequence 183113, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183113
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000216
US-10-257-017B-183113

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 750 TTGATAATATGGG 762
Db 1 TTGATAATATGGG 13
```

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RESULT 71
US-10-257-017B-183114/c
; Sequence 183114, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183114
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000216
US-10-257-017B-183114

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATGGG 762
Db 13 TTGATGATATGGG 1

RESULT 72
US-10-257-017B-225721
; Sequence 225721, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 225721
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00055024
US-10-257-017B-225721

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATGGG 762
Db 13 TTGATAATATGGG 13

RESULT 73
US-10-257-017B-225722/c
; Sequence 225722, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 225722
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00055024
US-10-257-017B-225722
```

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FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 225722
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00055024
US-10-257-017B-225722

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATGGG 762
Db 13 TTGATAATATGAG 1

RESULT 74
US-10-257-017B-227565
; Sequence 227565, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227565
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00055493
US-10-257-017B-227565

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATTG 752
Db 1 TTGAGGATTATTG 13

RESULT 75
US-10-257-017B-227566/c
; Sequence 227566, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227566
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00055493
US-10-257-017B-227566
```

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055493
US-10-257-017B-227566

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 0;

Qy      740 TTGAGGATTATTG 752
Db      13 TTGAGGATTTTGG 1

RESULT 76
US-10-257-017B-245205
; Sequence 245205, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; CURRENT FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245205
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059879
US-10-257-017B-245205

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 0;

Qy      749 ATTGATATATGG 761
Db      1 ATTGATATAGGG 13

RESULT 77
US-10-257-017B-245206/c
; Sequence 245206, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; CURRENT FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245206
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059879
US-10-257-017B-245206

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 0;

Qy      749 ATTGATATATGG 761
Db      1 ATTGATATAGGG 13

RESULT 78
US-10-257-017B-261481
; Sequence 261481, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; CURRENT FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 261481
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063458
US-10-257-017B-261481

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 0;

Qy      737 ACCTTGAGGATTA 749
Db      1 ACGTTGAGGATTA 13

RESULT 79
US-10-257-017B-261482/c
; Sequence 261482, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; CURRENT FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 261482
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063458
US-10-257-017B-261482

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 0;

Qy      737 ACCTTGAGGATTA 749
Db      1 ACGTTGAGGATTA 13

RESULT 80
US-10-257-017B-265699
; Sequence 265699, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 265699
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064393
US-10-257-017B-265699

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAAATA 758
DB 1 ATTATTGATAAATA 13

RESULT 81
US-10-257-017B-265700/c
; Sequence 265700, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 265700
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064393
US-10-257-017B-265700

Query Match          9.4%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAAATA 758
DB 13 ATTATTGATAAATA 1

RESULT 82
PCT-US03-31862-1307/c
; Sequence 1307, Application PC/TUS0331862
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY OF DELAWARE
; APPLICANT: KMEC, ERIC B.
; APPLICANT: VAN BRABANT, ANJA
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REDUCING SCREENING IN
; FILE REFERENCE: Napro-18 PCT
; CURRENT APPLICATION NUMBER: PCT/US03/31862
; CURRENT FILING DATE: 2003-10-07
; PRIOR APPLICATION NUMBER: US 60/453,360
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: US 60/416,983
; NUMBER OF SEQ ID NOS: 2707
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1339
; LENGTH: 17
```

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; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: US 60/416,983
; PRIOR FILING DATE: 2002-10-07
; NUMBER OF SEQ ID NOS: 2707
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1307
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Fragaria vesca
; PCT-US03-31862-1307

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 4.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGCCAT 725
DB 17 AGTTGCGTGGCCTT 2

RESULT 83
PCT-US03-31862-1308
; Sequence 1308, Application PC/TUS0331862
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY OF DELAWARE
; APPLICANT: KMEC, ERIC B.
; APPLICANT: VAN BRABANT, ANJA
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REDUCING SCREENING IN
; FILE REFERENCE: Napro-18 PCT
; CURRENT APPLICATION NUMBER: PCT/US03/31862
; CURRENT FILING DATE: 2003-10-07
; PRIOR APPLICATION NUMBER: US 60/453,360
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: US 60/416,983
; PRIOR FILING DATE: 2002-10-07
; NUMBER OF SEQ ID NOS: 2707
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1308
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Fragaria vesca
; PCT-US03-31862-1308

Query Match          9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 4.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGCCAT 725
DB 1 AGTTGCGTGGCCTT 16

RESULT 84
PCT-US03-31862-1339/c
; Sequence 1339, Application PC/TUS0331862
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY OF DELAWARE
; APPLICANT: KMEC, ERIC B.
; APPLICANT: VAN BRABANT, ANJA
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REDUCING SCREENING IN
; FILE REFERENCE: Napro-18 PCT
; CURRENT APPLICATION NUMBER: PCT/US03/31862
; CURRENT FILING DATE: 2003-10-07
; PRIOR APPLICATION NUMBER: US 60/453,360
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: US 60/416,983
; PRIOR FILING DATE: 2002-10-07
; NUMBER OF SEQ ID NOS: 2707
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1339
; LENGTH: 17
```

; TYPE: DNA
; ORGANISM: Solanum tuberosum
PCT-US03-31862-1339

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 4.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 710 AATTCCTGTGGCCAT 725
Db 17 AATTCCTGTGGCCAT 2

RESULT 85

PCI-US03-31862-1340
; Sequence 1340, Application PC/TUS0331862
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY OF DELAWARE
; APPLICANT: KMEIC, ERIC B.
; APPLICANT: VAN BRABANT, ANJA
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REDUCING SCREENING IN
; TITLE OF INVENTION: OLIGONUCLEOTIDE-DIRECTED NUCLEIC ACID SEQUENCE ALTERATION
; FILE REFERENCE: Napro-18 PCT
; CURRENT APPLICATION NUMBER: PCT/US03/31862
; PRIOR FILING DATE: 2003-10-07
; PRIOR FILING DATE: 2003-03-07
; PRIOR FILING DATE: 2003-03-07
; PRIOR FILING DATE: 2002-10-07
; NUMBER OF SEQ ID NOS: 2707
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 1340
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Solanum tuberosum
PCT-US03-31862-1340

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 4.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 710 AATTCCTGTGGCCAT 725
Db 1 AATTCCTGTGGCCAT 16

RESULT 86

US-10-708-951-17670/c
; Sequence 17670, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 17670
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-17670

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 4.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 663 GACAGAGGGTTTACTT 678
Db 16 GAGAGACCGTTTACTT 1

RESULT 87

US-10-708-951-37904/c
; Sequence 37904, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 37904
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-37904

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 4.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 663 GACAGAGGGTTTACTT 678
Db 16 GAGAGACCGTTTACTT 1

RESULT 88

US-10-708-951-40588/c
; Sequence 40588, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 40588
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-40588

Query Match 9.3%; Score 11.2; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 4.9e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 663 GACAGAGGGTTTACTT 678
Db 16 GAGAGACCGTTTACTT 1

RESULT 89

US-10-257-017B-307820
; Sequence 307820, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Fiepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 307820
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022704
US-10-257-017B-307820

Query Match 9.1%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
|||||
Db 1 TGAGGATTATT 11

RESULT 90
US-10-257-017B-324816/c
; Sequence 324816, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324816
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032233
US-10-257-017B-324816

Query Match 9.1%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TTGATAAATATG 760
|||||
Db 11 TTGATAAATATG 1

RESULT 91
US-10-257-017B-326637/c
; Sequence 326637, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 326637
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033187
US-10-257-017B-326637

Query Match 9.1%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 743 AGGATTATTGA 753

Db 11 AGGATTATTGA 1
|||||

RESULT 92
US-10-257-017B-345097
; Sequence 345097, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 345097
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043871
US-10-257-017B-345097

Query Match 9.1%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 TGATAAATATGG 761
|||||
Db 2 TGATAAATATGG 12

RESULT 93
US-10-257-017B-346627/c
; Sequence 346627, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 346627
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044680
US-10-257-017B-346627

Query Match 9.1%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 730 ACCTTTTACCT 740
|||||
Db 11 ACCTTTTACCT 1

RESULT 94
US-10-257-017B-351845/c
; Sequence 351845, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351845
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0047514
US-10-257-017B-351845

Query Match          9.1%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      731 CCTTTTACCTT 741
      |||||
Db      12 CCTTTTACCTT 2

RESULT 95
US-10-257-017B-357906
; Sequence 357906, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357906
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC004855
US-10-257-017B-357906

Query Match          9.1%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
      |||||
Db      2 ATTATTGATAA 12

RESULT 96
US-10-257-017B-363686
; Sequence 363686, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 363686
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0054000
US-10-257-017B-363686

Query Match          9.1%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      743 AGGATTATTGA 753
      |||||
Db      2 AGGATTATTGA 12

RESULT 97
US-10-257-017B-379604/c
; Sequence 379604, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 379604
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0063381
US-10-257-017B-379604

Query Match          9.1%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      745 GATTATTGATA 755
      |||||
Db      12 GATTATTGATA 2

RESULT 98
US-10-257-017B-27791
; Sequence 27791, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27791
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007819
US-10-257-017B-27791
```


Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
|||||
DB 1 TTATTATAATAY 13

RESULT 99
US-10-257-017B-27792/c
; Sequence 27792, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27792
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007819
US-10-257-017B-27792

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
|||||
DB 13 TTATTATAATAY 1

RESULT 100
US-10-257-017B-32907
; Sequence 32907, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32907
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010370
US-10-257-017B-32907

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
|||||
DB 1 ATTGATAATAT 11

RESULT 101
US-10-257-017B-32908/c
; Sequence 32908, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32908
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010370
US-10-257-017B-32908

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
|||||
DB 13 ATTGATAATAT 3

RESULT 102
US-10-257-017B-80275
; Sequence 80275, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80275
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020365
US-10-257-017B-80275

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
|||||
DB 1 TTGAGGATTAT 11

RESULT 103
US-10-257-017B-80276/c
; Sequence 80276, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80276
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020365
US-10-257-017B-80276

; TYPE: DNA

Best local similarity 100.0%; Freq. NO. 3.0e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy 748 TATTGATAATA 758
Db 13 TATTGATAATA 3

RESULT 108
US-10-257-017B-110675/c
; Sequence 110675, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110675
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110675

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATAAT 757
Db 13 RATTATTGATAAT 1

RESULT 109
US-10-257-017B-110676
; Sequence 110676, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110676
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110676

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATAAT 757
Db 1 RATTATTGATAAT 13

RESULT 110
US-10-257-017B-110677/c
; Sequence 110677, Application US/10257017B
; GENERAL INFORMATION:

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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110677
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110677

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATAAT 757
Db 13 RATTATTGATAAT 1

RESULT 111
US-10-257-017B-110678
; Sequence 110678, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110678
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110678

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATAAT 757
Db 1 RATTATTGATAAT 13

RESULT 112
US-10-257-017B-142043
; Sequence 142043, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

```

; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142043
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035577
US-10-257-017B-142043

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 754 TAATATGGGTC 764
Db 1 TAATATGGGTC 11

RESULT 113

US-10-257-017B-142044/c
; Sequence 142044, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142044
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035577
US-10-257-017B-142044

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 754 TAATATGGGTC 764
Db 13 TAATATGGGTC 3

RESULT 114

US-10-257-017B-145821
; Sequence 145821, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145821
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036738
US-10-257-017B-145821

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
Db 1 ATTATTGATAA 11

RESULT 115

US-10-257-017B-145822/c
; Sequence 145822, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145822
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036738
US-10-257-017B-145822

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
Db 13 ATTATTGATAA 3

RESULT 116

US-10-257-017B-158309
; Sequence 158309, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158309
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039868
US-10-257-017B-158309

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 749 ATTGATATAT 759
Db 1 ATTGATATAT 11

```
RESULT 117
US-10-257-017B-158310/c
; Sequence 158310, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158310
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039868
US-10-257-017B-158310

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 749 ATTGATAAAT 759
DB 13 ATTGATAAAT 3

RESULT 118
US-10-257-017B-161803
; Sequence 161803, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161803
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161803

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 2 TTATTGATAAT 12

RESULT 119
US-10-257-017B-161804/c
; Sequence 161804, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161804
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161804

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 12 TTATTGATAAT 2

RESULT 120
US-10-257-017B-178109
; Sequence 178109, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 178109
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009511
US-10-257-017B-178109

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
DB 2 TTGAGGATTAT 12

RESULT 121
US-10-257-017B-178110/c
; Sequence 178110, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 178110
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009511
US-10-257-017B-178110

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 740 TTGAGGATTAT 750
Db 12 TTGAGGATTAT 2

RESULT 122
US-10-257-017B-181587
; Sequence 181587, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 181587
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000892
US-10-257-017B-181587

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 686 GAAGATACTGATT 698
Db 1 GAAGATAATGATY 13

RESULT 123
US-10-257-017B-181588/c
; Sequence 181588, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 181588
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000892
US-10-257-017B-181588

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 686 GAAGATACTGATT 698
Db 13 GAAGATAATGATY 1

RESULT 124
US-10-257-017B-183267
; Sequence 183267, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183267
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045249
US-10-257-017B-183267

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAATAT 759
Db 1 TTATTATAATATY 13

RESULT 125
US-10-257-017B-183268/c
; Sequence 183268, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183268
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045249
US-10-257-017B-183268

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAATAT 759
Db 13 TTATTATAATATY 1

RESULT 126
US-10-257-017B-199905
; Sequence 199905, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 199905
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049182
US-10-257-017B-199905

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAATAT 759
Db      1 TTTTGGATAATAY 13

RESULT 127
US-10-257-017B-199906/c
; Sequence 199906, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 199906
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049182
US-10-257-017B-199906

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAATAT 759
Db      13 TTTTGGATAATAY 1

RESULT 128
US-10-257-017B-200781
; Sequence 200781, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 200781
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049400
US-10-257-017B-200781

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      752 GATAATATGGGTC 764
Db      1 GATAATATGGTTY 13

RESULT 129
US-10-257-017B-200782/c
; Sequence 200782, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 200782
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049400
US-10-257-017B-200782

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      752 GATAATATGGGTC 764
Db      13 GATAATATGGTTY 1

RESULT 130
US-10-257-017B-206123
; Sequence 206123, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206123
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050495
```

US-10-257-017B-206123

```
Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY	747	TTATTGATAAT	757
Db	1	TTATTGATAAT	11

```

RESULT 131
US-10-257-017B-206124/c
; Sequence 206124, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methyations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206124
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050495
US-10-257-017B-206124

```

```
Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY	747	TTATTGATAAT	757
		.	
Db	13	TTATTGATAAT	3

```

RESULT 132
US-10-257-017B-226271
; Sequence 226271, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylnations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226271
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055159
; US-10-257-017B-226271

```

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11: Conservative 1; Mismatches 1; Indels 0; Gaps 0;

```

QY      669 GGGTTACTTTGC 681
      |||||
Dp      1 GGGTTATTTTGY 13

```

```

RESULT 133
US-10-257-017B-226272/c
; Sequence 226272, Application US/102570173
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single
; TITLE OF INVENTION: methylenations
; FILE REFERENCE: E01/119370
; CURRENT APPLICATION NUMBER: US/10/257.01
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226272
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for
US-10-257-017B-226272

```

```
Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11: Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

QY 669 GGGTTTACTTTC 681
| | | | | | | | | |
Db 13 GGGTTTATTTCY 1

```

RESULT 134
US-10-257-017B-227277
; Sequence 227277, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Bezzin
; TITLE OF INVENTION: Detection of single
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,01
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227277
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for
US-10-257-017B-227277

```

```
Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 666 AGAGGGTTTAC 676
D6 2 AGAGGGTTTAC 12

RESULT 135
US-10-257-017B-227278/c
; Sequence 227278, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin


```
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
/ TITLE OF INVENTION: methylations
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 227278
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055439
US-10-257-017B-227278

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 666 AGAGGTTTAC 676
Db 12 AGAGGTTTAC 2

RESULT 136
US-10-257-017B-241537
/ Sequence 241537, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
/ TITLE OF INVENTION: methylations
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 241537
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009671
US-10-257-017B-241537

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TTATTGATTATAY 13

RESULT 137
US-10-257-017B-241538/c
/ Sequence 241538, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
/ TITLE OF INVENTION: methylations
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 241538
```

```
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009671
US-10-257-017B-241538

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.8e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTATTGATTATAY 1

RESULT 138
US-10-257-017B-263315
/ Sequence 263315, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
/ TITLE OF INVENTION: methylations
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 263315
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063856
US-10-257-017B-263315

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
Db 1 GATAATATGGG 11

RESULT 139
US-10-257-017B-263316/c
/ Sequence 263316, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
/ TITLE OF INVENTION: methylations
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 263316
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063856
US-10-257-017B-263316

Query Match          9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
```

```
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
Db 13 GATAATATGGG 3

RESULT 140
US-10-708-951-17738
; Sequence 17738, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 17738
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-17738

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 81.8%; Pred. No. 3.8e+02;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
Db 2 GAAGAUACUGA 12

RESULT 141
US-10-708-951-37060
; Sequence 37060, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 37060
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-37060

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 81.8%; Pred. No. 3.8e+02;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
Db 2 GAAGAUACUGA 12

RESULT 142
US-10-708-951-37871
; Sequence 37871, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
```

```
; SEQ ID NO 37871
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-37871

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 81.8%; Pred. No. 3.8e+02;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
Db 2 GAAGAUACUGA 12

RESULT 143
US-10-708-951-43962
; Sequence 43962, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 43962
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-43962

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 81.8%; Pred. No. 3.8e+02;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
Db 1 GAAGAUACUGA 11

RESULT 144
US-10-708-951-52686
; Sequence 52686, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 52686
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-52686

Query Match 9.1%; Score 11; DB 1; Length 13;
Best Local Similarity 81.8%; Pred. No. 3.8e+02;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
Db 2 GAAGAUACUGA 12

RESULT 145
US-10-708-951-37398
; Sequence 37398, Application US/10708951
; GENERAL INFORMATION:
```

```
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 37398
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-37398

Query Match          9.1%; Score 11; DB 1; Length 14;
Best Local Similarity 81.8%; Pred. No. 4.2e+02;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      686 GAAGATACTGA 696
Db      3 GAAGAUACUGA 13

RESULT 146
US-10-708-951-48136
; Sequence 48136, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 48136
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-48136

Query Match          9.1%; Score 11; DB 1; Length 14;
Best Local Similarity 81.8%; Pred. No. 4.2e+02;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      686 GAAGATACTGA 696
Db      3 GAAGAUACUGA 13

RESULT 147
US-10-708-951-37101
; Sequence 37101, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 37101
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-37101

Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 81.8%; Pred. No. 4.7e+02;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      686 GAAGATACTGA 696
```

```
|||||:|:|
Db      2 GAAGAUACUGA 12

RESULT 148
US-10-708-951-52687
; Sequence 52687, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 52687
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-52687

Query Match          9.1%; Score 11; DB 1; Length 15;
Best Local Similarity 81.8%; Pred. No. 4.7e+02;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      686 GAAGATACTGA 696
Db      2 GAAGAUACUGA 12

RESULT 149
US-10-708-951-29484
; Sequence 29484, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29484
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-29484

Query Match          9.1%; Score 11; DB 1; Length 16;
Best Local Similarity 54.5%; Pred. No. 5.1e+02;
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy      748 TATTGATAATA 758
Db      2 UAUGAUAAUA 12

RESULT 150
US-10-708-951-36982
; Sequence 36982, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36982
; LENGTH: 16
; TYPE: RNA
```

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; ORGANISM: Homo sapiens
US-10-708-951-36982

Query Match          9.1%; Score 11; DB 1; Length 16;
Best Local Similarity 81.8%; Pred. No. 5.1e+02;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
    |||||:|:|:|
Db 2 GAAGAUACUGA 12

RESULT 151
US-10-708-951-48030
; Sequence 48030, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICAALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 48030
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-48030

Query Match          9.1%; Score 11; DB 1; Length 16;
Best Local Similarity 54.5%; Pred. No. 5.1e+02;
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
    :|:|:|:|:|:|
Db 2 UAUUGAUAAUA 12

RESULT 152
US-10-708-951-52688
; Sequence 52688, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICAALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 52688
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-52688

Query Match          9.1%; Score 11; DB 1; Length 16;
Best Local Similarity 81.8%; Pred. No. 5.1e+02;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
    |||||:|:|:|
Db 2 GAAGAUACUGA 12

RESULT 153
US-60-554-170-11/c
; Sequence 11, Application US/60554170
; GENERAL INFORMATION:
; APPLICANT: Chen, Bertha
; APPLICANT: Wen, Yan
; APPLICANT: Polan, Mary Lake
; TITLE OF INVENTION: Diagnosis and Treatment of Disorders of
; FILE REFERENCE: 9900.1006P
; CURRENT APPLICATION NUMBER: US/60/554,170
; CURRENT FILING DATE: 2004-03-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Made in a lab (primers)
US-60-554-170-11

Query Match          8.9%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 5.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 692 ACTGATTGCTGAC 705
    |||||:|:|:|
Db 15 ACTCATTGCTGGAC 2

RESULT 154
US-10-257-017B-17715/c
; Sequence 17715, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 17715
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00003792
US-10-257-017B-17715

Query Match          8.8%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 4.8e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 702 GTACCCGAAAT 712
    :|:|:|:|:|:|
Db 13 RTACCCGAAAT 3

RESULT 155
US-10-257-017B-17716
; Sequence 17716, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 17716
; LENGTH: 13

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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003792
US-10-257-017B-17716

Query Match 8.8%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 4.8e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 702 GTACCGGAAT 712
Db 1 RTACCGGAAT 11

RESULT 156
US-10-257-017B-70471/c
Sequence 70471, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
PRIOR FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 70471
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018308
US-10-257-017B-70471

Query Match 8.8%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 4.8e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 702 GTACCGGAAT 712
Db 13 RTACCGGAAT 3

RESULT 157
US-10-257-017B-70472
Sequence 70472, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
PRIOR FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 70472
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018308
US-10-257-017B-70472

Query Match 8.8%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 4.8e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 702 GTACCGGAAT 712
Db 1 RTACCGGAAT 11

RESULT 158
US-10-257-017B-141737
Sequence 141737, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
PRIOR FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 141737
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035519
US-10-257-017B-141737

Query Match 8.8%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 4.8e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 754 TAATATGGGTC 764
Db 3 TAATATGGGTY 13

RESULT 159
US-10-257-017B-141738/c
Sequence 141738, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
PRIOR FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 141738
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035519
US-10-257-017B-141738

Query Match 8.8%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 4.8e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 754 TAATATGGGTC 764
Db 11 TAATATGGGTY 1

RESULT 160
US-10-257-017B-267977
Sequence 267977, Application US/10257017B

<p>GENERAL INFORMATION: APPLICANT: Alexander Olek APPLICANT: Christian Piepenbrock APPLICANT: Kurt Berlin TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine FILE REFERENCE: E01/1193/WO CURRENT APPLICATION NUMBER: US/10/257,017B CURRENT FILING DATE: 2002-10-07 PRIOR APPLICATION NUMBER: DE 10019173.8 NUMBER OF SEQ ID NOS: 382046 SEQ ID NO 267977 LENGTH: 12 TYPE: DNA ORGANISM: Artificial Sequence</p> <p>Query Match 8.6%; Score 10.4; DB 1; Length 12; Best Local Similarity 91.7%; Pred. No. 4.8e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;</p> <p>QY 669 GGGTTTACTTTG 680 DB 1 GGGTTTATTG 12</p> <p>RESULT 161 US-10-257-017B-269501/c Sequence 269501, Application US/10257017B GENERAL INFORMATION: APPLICANT: Alexander Olek APPLICANT: Christian Piepenbrock APPLICANT: Kurt Berlin TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine FILE REFERENCE: E01/1193/WO CURRENT APPLICATION NUMBER: US/10/257,017B CURRENT FILING DATE: 2002-10-07 PRIOR APPLICATION NUMBER: DE 10019173.8 NUMBER OF SEQ ID NOS: 382046 SEQ ID NO 269501 LENGTH: 12 TYPE: DNA ORGANISM: Artificial Sequence</p> <p>Query Match 8.6%; Score 10.4; DB 1; Length 12; Best Local Similarity 91.7%; Pred. No. 4.8e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;</p> <p>QY 748 TATTGATAATAT 759 DB 12 TATTGATAATAT 1</p> <p>RESULT 162 US-10-257-017B-270039/c Sequence 270039, Application US/10257017B GENERAL INFORMATION: APPLICANT: Alexander Olek APPLICANT: Christian Piepenbrock APPLICANT: Kurt Berlin TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine FILE REFERENCE: E01/1193/WO CURRENT APPLICATION NUMBER: US/10/257,017B CURRENT FILING DATE: 2002-10-07</p>	<p>PRIOR APPLICATION NUMBER: DE 10019173.8 PRIOR FILING DATE: 2000-04-07 NUMBER OF SEQ ID NOS: 382046 SEQ ID NO 270039 LENGTH: 12 TYPE: DNA ORGANISM: Artificial Sequence</p> <p>Query Match 8.6%; Score 10.4; DB 1; Length 12; Best Local Similarity 91.7%; Pred. No. 4.8e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;</p> <p>QY 723 CATCTAGACCTT 734 DB 12 CATCTAATACCTT 1</p> <p>RESULT 163 US-10-257-017B-270729/c Sequence 270729, Application US/10257017B GENERAL INFORMATION: APPLICANT: Alexander Olek APPLICANT: Christian Piepenbrock APPLICANT: Kurt Berlin TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine FILE REFERENCE: E01/1193/WO CURRENT APPLICATION NUMBER: US/10/257,017B CURRENT FILING DATE: 2002-10-07 PRIOR APPLICATION NUMBER: DE 10019173.8 NUMBER OF SEQ ID NOS: 382046 SEQ ID NO 270729 LENGTH: 12 TYPE: DNA ORGANISM: Artificial Sequence</p> <p>Query Match 8.6%; Score 10.4; DB 1; Length 12; Best Local Similarity 91.7%; Pred. No. 4.8e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;</p> <p>QY 748 TATTGATAATAT 759 DB 12 TATTGATAATAT 1</p> <p>RESULT 164 US-10-257-017B-272683/c Sequence 272683, Application US/10257017B GENERAL INFORMATION: APPLICANT: Alexander Olek APPLICANT: Christian Piepenbrock APPLICANT: Kurt Berlin TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine FILE REFERENCE: E01/1193/WO CURRENT APPLICATION NUMBER: US/10/257,017B CURRENT FILING DATE: 2002-10-07 PRIOR APPLICATION NUMBER: DE 10019173.8 NUMBER OF SEQ ID NOS: 382046 SEQ ID NO 272683 LENGTH: 12 TYPE: DNA ORGANISM: Artificial Sequence</p>	<p>PRIOR APPLICATION NUMBER: DE 10019173.8 PRIOR FILING DATE: 2000-04-07 NUMBER OF SEQ ID NOS: 382046 SEQ ID NO 270039 LENGTH: 12 TYPE: DNA ORGANISM: Artificial Sequence</p> <p>Query Match 8.6%; Score 10.4; DB 1; Length 12; Best Local Similarity 91.7%; Pred. No. 4.8e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;</p> <p>QY 723 CATCTAGACCTT 734 DB 12 CATCTAATACCTT 1</p> <p>RESULT 163 US-10-257-017B-270729/c Sequence 270729, Application US/10257017B GENERAL INFORMATION: APPLICANT: Alexander Olek APPLICANT: Christian Piepenbrock APPLICANT: Kurt Berlin TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine FILE REFERENCE: E01/1193/WO CURRENT APPLICATION NUMBER: US/10/257,017B CURRENT FILING DATE: 2002-10-07 PRIOR APPLICATION NUMBER: DE 10019173.8 NUMBER OF SEQ ID NOS: 382046 SEQ ID NO 270729 LENGTH: 12 TYPE: DNA ORGANISM: Artificial Sequence</p> <p>Query Match 8.6%; Score 10.4; DB 1; Length 12; Best Local Similarity 91.7%; Pred. No. 4.8e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;</p> <p>QY 748 TATTGATAATAT 759 DB 12 TATTGATAATAT 1</p> <p>RESULT 164 US-10-257-017B-272683/c Sequence 272683, Application US/10257017B GENERAL INFORMATION: APPLICANT: Alexander Olek APPLICANT: Christian Piepenbrock APPLICANT: Kurt Berlin TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine FILE REFERENCE: E01/1193/WO CURRENT APPLICATION NUMBER: US/10/257,017B CURRENT FILING DATE: 2002-10-07 PRIOR APPLICATION NUMBER: DE 10019173.8 NUMBER OF SEQ ID NOS: 382046 SEQ ID NO 272683 LENGTH: 12 TYPE: DNA ORGANISM: Artificial Sequence</p>	<p>PRIOR APPLICATION NUMBER: DE 10019173.8 PRIOR FILING DATE: 2000-04-07 NUMBER OF SEQ ID NOS: 382046 SEQ ID NO 270039 LENGTH: 12 TYPE: DNA ORGANISM: Artificial Sequence</p> <p>Query Match 8.6%; Score 10.4; DB 1; Length 12; Best Local Similarity 91.7%; Pred. No. 4.8e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;</p> <p>QY 723 CATCTAGACCTT 734 DB 12 CATCTAATACCTT 1</p> <p>RESULT 163 US-10-257-017B-270729/c Sequence 270729, Application US/10257017B GENERAL INFORMATION: APPLICANT: Alexander Olek APPLICANT: Christian Piepenbrock APPLICANT: Kurt Berlin TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine FILE REFERENCE: E01/1193/WO CURRENT APPLICATION NUMBER: US/10/257,017B CURRENT FILING DATE: 2002-10-07 PRIOR APPLICATION NUMBER: DE 10019173.8 NUMBER OF SEQ ID NOS: 382046 SEQ ID NO 270729 LENGTH: 12 TYPE: DNA ORGANISM: Artificial Sequence</p> <p>Query Match 8.6%; Score 10.4; DB 1; Length 12; Best Local Similarity 91.7%; Pred. No. 4.8e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;</p> <p>QY 748 TATTGATAATAT 759 DB 12 TATTGATAATAT 1</p> <p>RESULT 164 US-10-257-017B-272683/c Sequence 272683, Application US/10257017B GENERAL INFORMATION: APPLICANT: Alexander Olek APPLICANT: Christian Piepenbrock APPLICANT: Kurt Berlin TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine FILE REFERENCE: E01/1193/WO CURRENT APPLICATION NUMBER: US/10/257,017B CURRENT FILING DATE: 2002-10-07 PRIOR APPLICATION NUMBER: DE 10019173.8 NUMBER OF SEQ ID NOS: 382046 SEQ ID NO 272683 LENGTH: 12 TYPE: DNA ORGANISM: Artificial Sequence</p>
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US-10-257-017B-272683

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAAATGG 761
DB 12 TTGATAAATGG 1

RESULT 165

US-10-257-017B-274068
; Sequence 274068, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 274068
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003416
US-10-257-017B-274068

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 668 AGGGTTTACTTT 679
DB 1 AGGGTTTACTTT 12

RESULT 166

US-10-257-017B-274575/c
; Sequence 274575, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 274575
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003599
US-10-257-017B-274575

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
DB 12 TTGAAGATTATT 1

RESULT 167

US-10-257-017B-275338/c
; Sequence 275338, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 275338
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003867
US-10-257-017B-275338

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
DB 12 TTGGGGATTATT 1

RESULT 168

US-10-257-017B-276329/c
; Sequence 276329, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 276329
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004155
US-10-257-017B-276329

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAAATAT 759
DB 12 TATTGATAAATAT 1

RESULT 169

US-10-257-017B-278578
; Sequence 278578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin

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; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278578
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006145
US-10-257-017B-278578

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
DB 1 TTATTGATAATA 12

RESULT 170
US-10-257-017B-279400
; Sequence 279400, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279400
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007333
US-10-257-017B-279400

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759
DB 1 TATTGATAATAT 12

RESULT 171
US-10-257-017B-279792
; Sequence 279792, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279792
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; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007836
US-10-257-017B-279792

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
DB 1 TTATTGATAATA 12

RESULT 172
US-10-257-017B-280281/c
; Sequence 280281, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 280281
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008440
US-10-257-017B-280281

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGAT 754
DB 12 AGGATTATTGAT 1

RESULT 173
US-10-257-017B-280985/c
; Sequence 280985, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 280985
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009296
US-10-257-017B-280985

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
```


Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATGATAAT 757
|||||

Db 12 ATTATGATAAT 1

RESULT 174
US-10-257-017B-281077/c
; Sequence 281077, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 281077
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009418
US-10-257-017B-281077

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAAT 759
|||||

Db 12 TTTTGATAAT 1

RESULT 175
US-10-257-017B-282754
; Sequence 282754, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 282754
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010980
US-10-257-017B-282754

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATGATAAT 757
|||||

Db 1 ATTATGATAAT 12

RESULT 176
US-10-257-017B-282754/c

; Sequence 282754, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 282754
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010980
US-10-257-017B-282754

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATGATAAT 757
|||||

Db 12 ATTATGATAAT 1

RESULT 177
US-10-257-017B-290481
; Sequence 290481, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 290481
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014373
US-10-257-017B-290481

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATG 760
|||||

Db 1 ATTGATAATG 12

RESULT 178
US-10-257-017B-293830/c
; Sequence 293830, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 293830
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015818
US-10-257-017B-293830

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
Db 12 TTATTGATAAAA 1

RESULT 179
US-10-257-017B-299814/c
; Sequence 299814, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 299814
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018757
US-10-257-017B-299814

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGAT 754
Db 12 AGGTTATTGAT 1

RESULT 180
US-10-257-017B-304429/c
; Sequence 304429, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 304429
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

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; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020917
US-10-257-017B-304429

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTTG 680
Db 12 GGGTTTACGTTG 1

RESULT 181
US-10-257-017B-308437/c
; Sequence 308437, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 308437
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023015
US-10-257-017B-308437

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 667 GAGGGTTTACTT 678
Db 12 GAGGGTTTATTT 1

RESULT 182
US-10-257-017B-310712/c
; Sequence 310712, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 310712
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0024065
US-10-257-017B-310712

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
Db 12 TTATTGATAATA 758
```

Db 12 TTATTGATTATA 1

RESULT 183

US-10-257-017B-314904

Sequence 314904, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

PRIOR FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 314904

LENGTH: 12

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026619

US-10-257-017B-314904

Query Match 8.6%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.8e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759

Db 1 TATTGATAATAT 12

RESULT 184

US-10-257-017B-316273

Sequence 316273, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

PRIOR FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 316273

LENGTH: 12

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027368

US-10-257-017B-316273

Query Match 8.6%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.8e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758

Db 1 TTTTGTATAATA 12

RESULT 185

US-10-257-017B-323359/c

Sequence 323359, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

PRIOR FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 323359

LENGTH: 12

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0031351

US-10-257-017B-323359

Query Match 8.6%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.8e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTTG 680

Db 12 GGGTTTACTTTG 1

RESULT 186

US-10-257-017B-325748

Sequence 325748, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

PRIOR FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 325748

LENGTH: 12

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032694

US-10-257-017B-325748

Query Match 8.6%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.8e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751

Db 1 TTGAGGATTATT 12

RESULT 187

US-10-257-017B-327192

Sequence 327192, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

PRIOR FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 327192

LENGTH: 12

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032694

US-10-257-017B-327192

Query Match 8.6%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.8e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751

Db 1 TTGAGGATTATT 12

RESULT 187

US-10-257-017B-327192

Sequence 327192, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

PRIOR FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 327192

LENGTH: 12

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032694

US-10-257-017B-327192

Query Match 8.6%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.8e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751

Db 1 TTGAGGATTATT 12

RESULT 187

US-10-257-017B-327192

Sequence 327192, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

PRIOR FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 327192

LENGTH: 12

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032694

US-10-257-017B-327192

Query Match 8.6%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.8e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751

Db 1 TTGAGGATTATT 12

RESULT 187

US-10-257-017B-327192

Sequence 327192, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

PRIOR FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 327192

LENGTH: 12

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032694

US-10-257-017B-327192

Query Match 8.6%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.8e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751

Db 1 TTGAGGATTATT 12

RESULT 187

US-10-257-017B-327192

Sequence 327192, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

PRIOR FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 327192

LENGTH: 12

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032694

US-10-257-017B-327192

Query Match 8.6%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred.

; SEQ ID NO 327192
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033487
US-10-257-017B-327192

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGAT 754
Db 1 AGGATTATTAAAT 12
|||||

RESULT 188
US-10-257-017B-329969
; Sequence 329969, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 329969
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0035256
US-10-257-017B-329969

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 666 AGAGGGTTTACT 677
Db 1 AGAGGGTTTAAAT 12
|||||

RESULT 189
US-10-257-017B-332566/c
; Sequence 332566, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 332566
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036994
US-10-257-017B-332566

Query Match 8.6%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
Db 12 AGTATTGATAAT 1
|||||

RESULT 190
US-10-257-017B-332759
; Sequence 332759, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 332759
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037159
US-10-257-017B-332759

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759
Db 1 TATTGATAAAT 12
|||||

RESULT 191
US-10-257-017B-333737/c
; Sequence 333737, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 333737
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037731
US-10-257-017B-333737

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 668 AGGGTTTACTTT 679
Db 12 AGGGTTTAGTTT 1
|||||

RESULT 192

```
US-10-257-017B-340828/c
; Sequence 340828, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 340828
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041699
US-10-257-017B-340828

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
Db      12 ATTATTGATAAT 1

RESULT 193
US-10-257-017B-342467
; Sequence 342467, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 342467
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042558
US-10-257-017B-342467

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 GATTATTGATAA 756
Db      1 GATTATTGATAA 12

RESULT 194
US-10-257-017B-344260/c
; Sequence 344260, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
```

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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344260
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043469
US-10-257-017B-344260

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
Db      12 ATTATTGATAAT 1

RESULT 195
US-10-257-017B-344348/c
; Sequence 344348, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344348
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043499
US-10-257-017B-344348

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      722 CCATCTGACCT 733
Db      12 CCATCTGACCT 1

RESULT 196
US-10-257-017B-345817
; Sequence 345817, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 345817
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044225
US-10-257-017B-345817

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGATA 755
DB 1 GAATTATTGATA 12

RESULT 197
US-10-257-017B-346958/c
; Sequence 346958, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 346958
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044852
US-10-257-017B-346958

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
DB 12 TTATTGATAATA 1

RESULT 198
US-10-257-017B-347042/c
; Sequence 347042, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 347042
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044883
US-10-257-017B-347042

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751

Db 12 TTGAGGATTTT 1

RESULT 199
US-10-257-017B-348024/c
; Sequence 348024, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 348024
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045403
US-10-257-017B-348024

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
DB 12 ATTATTGATAAT 1

RESULT 200
US-10-257-017B-348751
; Sequence 348751, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 348751
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045731
US-10-257-017B-348751

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATAA 756
DB 1 GATTATTGATAA 12

RESULT 201
US-10-257-017B-349926
; Sequence 349926, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 349926
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046419
US-10-257-017B-349926

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATTAATA 758
Db 1 TTATTGATTAATA 12

RESULT 202
US-10-257-017B-350310/c
; Sequence 350310, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 350310
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046601
US-10-257-017B-350310

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 668 AGGGTTTACTTT 679
Db 12 AGGGTTTACTTT 12

RESULT 203
US-10-257-017B-350501/c
; Sequence 350501, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 350501
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046726
US-10-257-017B-350501

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGAT 754
Db 12 AGGATTATTGAT 12

RESULT 204
US-10-257-017B-350528
; Sequence 350528, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 350528
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046735
US-10-257-017B-350528

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGTTTATTG 752
Db 1 TGAGGTTTATTG 12

RESULT 205
US-10-257-017B-355118/c
; Sequence 355118, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 355118
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0049488
US-10-257-017B-355118
```

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
DB 12 TTATTGATAATA 1

RESULT 206
US-10-257-017B-355381/c
; Sequence 355381, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 355381
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005263
US-10-257-017B-355381

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 732 CTTTACCTTGA 743
DB 12 CTTTACCTTAA 1

RESULT 207
US-10-257-017B-356295
; Sequence 356295, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 356295
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00050048
US-10-257-017B-356295

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
DB 1 TTATTGATAATA 12

RESULT 208
US-10-257-017B-356950/c
; Sequence 356950, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 356950
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00050389
US-10-257-017B-356950

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAAAT 759
DB 12 TATTGATAAAT 1

RESULT 209
US-10-257-017B-360092
; Sequence 360092, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360092
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001559
US-10-257-017B-360092

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTCAGGATTAAT 751
DB 1 TTCAGGATTAAT 12

RESULT 210
US-10-257-017B-360776
; Sequence 360776, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360776
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001559
US-10-257-017B-360776


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; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360776
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052285
US-10-257-017B-360776

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATGATAAT 757
DB 1 ATTATGATAAT 12
|||||

RESULT 211
US-10-257-017B-362254/c
; Sequence 362254, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 362254
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0053101
US-10-257-017B-362254

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAAAT 759
DB 12 TATTGATAAAT 1
|||||

RESULT 212
US-10-257-017B-362980
; Sequence 362980, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 362980
; LENGTH: 12
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0053573
US-10-257-017B-362980

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAAAT 759
DB 1 TATTGATAAAT 12
|||||

RESULT 213
US-10-257-017B-365242/c
; Sequence 365242, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 365242
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0054993
US-10-257-017B-365242

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATATTG 752
DB 12 TGAGGATATTG 1
|||||

RESULT 214
US-10-257-017B-365440
; Sequence 365440, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 365440
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055126
US-10-257-017B-365440

Query Match      8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 748 TATTGATAAT 759
Db 1 TATTGATAAT 12

RESULT 215
US-10-257-017B-366908
; Sequence 366908, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366908
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0056046
US-10-257-017B-366908

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 726 CTAGACCTTTTA 737
Db 1 CTATACCTTTTA 12

RESULT 216
US-10-257-017B-368341/c
; Sequence 368341, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368341
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0056938
US-10-257-017B-368341

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATAAT 757
Db 12 ATTATTGATAAT 1

RESULT 217
US-10-257-017B-368691/c
; Sequence 368691, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368691
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0057155
US-10-257-017B-368691

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAATA 758
Db 12 TTATTGATAATA 1

RESULT 218
US-10-257-017B-371111/c
; Sequence 371111, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371111
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058581
US-10-257-017B-371111

Query Match 8.8%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAATA 758
Db 12 TTATTGATAATA 1

RESULT 219
US-10-257-017B-372511
; Sequence 372511, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 372511
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058581
US-10-257-017B-372511

Query Match 8.6%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```



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RESULT 224
US-10-257-017B-110676/c
; Sequence 110676, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110676
; TYPE: DNA
; LENGTH: 13
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110676

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
      ||||| |||||
Db      13 ATTATTGATAAT 2

RESULT 225
US-10-257-017B-110677
; Sequence 110677, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110677
; TYPE: DNA
; LENGTH: 13
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110677

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
      ||||| |||||
Db      13 ATTATTGATAAT 2

RESULT 226
US-10-257-017B-110678/c
; Sequence 110678, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110678
; TYPE: DNA
; LENGTH: 13
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110678

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
      ||||| |||||
Db      13 ATTATTGATAAT 2

RESULT 227
US-10-257-017B-461
; Sequence 461, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 461
; TYPE: DNA
; LENGTH: 13
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000079
US-10-257-017B-461

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAATA 758
      ||||| |||||
Db      1 TTATTGATAATA 12

RESULT 228
US-10-257-017B-462/c
; Sequence 462, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 462
; TYPE: DNA
; LENGTH: 13
```

TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000079

US-10-257-017B-462

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 758
DB 13 TTATTGATAATAT 2

RESULT 229

US-10-257-017B-4179

Sequence 4179, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

TITLE OF INVENTION: methylations

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

CURRENT FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 4179

LENGTH: 13

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001555

US-10-257-017B-4179

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759
DB 1 TATTGATAATAT 12

RESULT 230

US-10-257-017B-4180/c

Sequence 4180, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

TITLE OF INVENTION: methylations

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

CURRENT FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 4180

LENGTH: 13

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001555

US-10-257-017B-4180

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 10169
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002602
US-10-257-017B-10169

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      659 TTTGGACGAGG 670
Db      2 TTTGGACGAGG 13

RESULT 234
US-10-257-017B-10170/c
; Sequence 10170, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 10170
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002602
US-10-257-017B-10170

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      659 TTTGGACGAGG 670
Db      12 TTTGGACGAGG 1

RESULT 235
US-10-257-017B-16745
; Sequence 16745, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 10170
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002602
US-10-257-017B-10170

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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16745
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003636
US-10-257-017B-16745

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAATA 758
Db      2 TTATTGATAATA 13

RESULT 236
US-10-257-017B-16746/c
; Sequence 16746, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16746
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003636
US-10-257-017B-16746

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAATA 758
Db      12 TTATTGATAATA 1

RESULT 237
US-10-257-017B-21053/c
; Sequence 21053, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 21053
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004263
US-10-257-017B-21053

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US-10-257-017B-21053

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 701 TGTACCCGAAT 712
DB 13 TTTACCCGAAT 2

RESULT 238

US-10-257-017B-21054
; Sequence 21054, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 21054
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004263
US-10-257-017B-21054

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 701 TGTACCCGAAT 712
DB 1 TTTACCCGAAT 12

RESULT 239

US-10-257-017B-21581
; Sequence 21581, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 21581
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004332
US-10-257-017B-21581

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATGATAATA 758
DB 2 TTATGATAATA 13

RESULT 240

US-10-257-017B-21582/c
; Sequence 21582, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 21582
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004332
US-10-257-017B-21582

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATGATAATA 758
DB 12 TTATGATAATA 1

RESULT 241

US-10-257-017B-23471
; Sequence 23471, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 23471
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004977
US-10-257-017B-23471

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATGATAATA 758
DB 2 TTATGATAATA 13

RESULT 242

US-10-257-017B-23472/c
; Sequence 23472, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 23472
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004977
US-10-257-017B-23472

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATTATA 758
DB 12 TTATTGATTATA 1

RESULT 243
US-10-257-017B-24655
; Sequence 24655, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 24655
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005911
US-10-257-017B-24655

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 742 GAGGATTATTGA 753
DB 1 GAGGTTTATTGA 12

RESULT 244
US-10-257-017B-24656/c
; Sequence 24656, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 24656
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005911
US-10-257-017B-24656

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 742 GAGGATTATTGA 753
DB 13 GAGGTTTATTGA 2

RESULT 245
US-10-257-017B-35343
; Sequence 35343, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 35343
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011199
US-10-257-017B-35343

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATTATAT 759
DB 2 TATTGATTATAT 13

RESULT 246
US-10-257-017B-35344/c
; Sequence 35344, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 35344
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011199
US-10-257-017B-35344

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
```


Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759

Db 12 TATTGATAATAT 1

RESULT 247

US-10-257-017B-38781

; Sequence 38781, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 38781

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011928

US-10-257-017B-38781

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759

Db 1 TTTTGATAATAT 12

RESULT 248

US-10-257-017B-38782/c

; Sequence 38782, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 38782

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011928

US-10-257-017B-38782

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759

Db 13 TTTTGATAATAT 2

RESULT 249

US-10-257-017B-44231

; Sequence 44231, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 44231

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013003

US-10-257-017B-44231

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751

Db 1 TTGAAGATTATT 12

RESULT 250

US-10-257-017B-44232/c

; Sequence 44232, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 44232

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013003

US-10-257-017B-44232

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751

Db 13 TTGAAGATTATT 2

RESULT 251

US-10-257-017B-50065

; Sequence 50065, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014104
US-10-257-017B-50065

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
DB      2 TTAGGATTATT 13

RESULT 252
US-10-257-017B-50066/c
; Sequence 50066, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 50066
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014104
US-10-257-017B-50066

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
DB      12 TTAGGATTATT 1

RESULT 253
US-10-257-017B-51123
; Sequence 51123, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51123
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014104
US-10-257-017B-50066
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014297
US-10-257-017B-51123

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATTG 752
DB      1 TAAGGATTATTG 12

RESULT 254
US-10-257-017B-51124/c
; Sequence 51124, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51124
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014297
US-10-257-017B-51124

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATTG 752
DB      13 TAAGGATTATTG 2

RESULT 255
US-10-257-017B-51959/c
; Sequence 51959, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51959
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014474
US-10-257-017B-51959

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATGATAATAT 759
```

Db 13 TATTATAATAT 2

RESULT 256

US-10-257-017B-51960

Sequence 51960, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

TITLE OF INVENTION: methylation

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

CURRENT FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 51960

LENGTH: 13

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014474

US-10-257-017B-51960

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTATAATAT 759

Db 1 TATTATAATAT 12

RESULT 257

US-10-257-017B-52437

Sequence 52437, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

TITLE OF INVENTION: methylation

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

CURRENT FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 52437

LENGTH: 13

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014559

US-10-257-017B-52437

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 679 TGCAGCGGAAGA 690

Db 1 TGTAGCGGAAGA 12

RESULT 258

US-10-257-017B-52438/c

Sequence 52438, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

TITLE OF INVENTION: methylation

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

CURRENT FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 52438

LENGTH: 13

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014559

US-10-257-017B-52438

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 679 TGCAGCGGAAGA 690

Db 1 TGTAGCGGAAGA 12

RESULT 259

US-10-257-017B-54239

Sequence 54239, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

TITLE OF INVENTION: methylation

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

CURRENT FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 54239

LENGTH: 13

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014891

US-10-257-017B-54239

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATAA 756

Db 1 GATTATTGATAA 12

RESULT 260

US-10-257-017B-54240/c

Sequence 54240, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

TITLE OF INVENTION: methylation

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

CURRENT FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 54240

LENGTH: 13

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014891

US-10-257-017B-54240

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATAA 756

Db 1 GATTATTGATAA 12

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

TITLE OF INVENTION: methylation

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

CURRENT FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 52438

LENGTH: 13

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014559

US-10-257-017B-52438

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 679 TGCAGCGGAAGA 690

Db 1 TGTAGCGGAAGA 2

RESULT 259

US-10-257-017B-54239

Sequence 54239, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

TITLE OF INVENTION: methylation

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

CURRENT FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 54239

LENGTH: 13

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014891

US-10-257-017B-54239

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATAA 756

Db 1 GATTATTGATAA 12

RESULT 260

US-10-257-017B-54240/c

Sequence 54240, Application US/10257017B

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

TITLE OF INVENTION: methylation

FILE REFERENCE: E01/1193/WO

CURRENT APPLICATION NUMBER: US/10/257,017B

CURRENT FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 54240

LENGTH: 13

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014891

US-10-257-017B-54240

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATAA 756

Db 1 GATTATTGATAA 12

```
; SEQ ID NO 54240
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014891
US-10-257-017B-54240

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      745 GATTATTGATAA 756
Db      13 GATTATTGATAA 2

RESULT 261
US-10-257-017B-54241
; Sequence 54241, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54241
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014891
US-10-257-017B-54241

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      745 GATTATTGATAA 756
Db      1 GATTATTGATAA 12

RESULT 262
US-10-257-017B-54242/c
; Sequence 54242, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54242
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014891
US-10-257-017B-54242

Query Match      8.6%; Score 10.4; DB 1; Length 13;
```

```
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      745 GATTATTGATAA 756
Db      13 GATTATTGATAA 2

RESULT 263
US-10-257-017B-55293
; Sequence 55293, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 55293
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015111
US-10-257-017B-55293

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      747 TTATTGATAATA 758
Db      1 TGATTGATAATA 12

RESULT 264
US-10-257-017B-55294/c
; Sequence 55294, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 55294
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015111
US-10-257-017B-55294

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      747 TTATTGATAATA 758
Db      13 TGATTGATAATA 2

RESULT 265
```

```
US-10-257-017B-55387
; Sequence 55387, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 55387
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015126
US-10-257-017B-55387

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGGTTTACTTTG 680
      |||||
Db      1 GGGTTTATTG 12

RESULT 266
US-10-257-017B-55388/c
; Sequence 55388, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 55388
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015126
US-10-257-017B-55388

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGGTTTACTTTG 680
      |||||
Db      13 GGGTTTATTG 2

RESULT 267
US-10-257-017B-56959
; Sequence 56959, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56959
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015416
US-10-257-017B-56959

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      757 TATGGGTCAAGA 768
      |||||
Db      1 TATGGGTAAAGA 12

RESULT 268
US-10-257-017B-56960/c
; Sequence 56960, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56960
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015416
US-10-257-017B-56960

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      757 TATGGGTCAAGA 768
      |||||
Db      13 TATGGGTAAAGA 2

RESULT 269
US-10-257-017B-57449/c
; Sequence 57449, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 57449
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

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; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015514
US-10-257-017B-57449

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 732 CTTTACCTTGA 743
Db 13 CTTTACCTTAA 2

RESULT 270
US-10-257-017B-57450
; Sequence 57450, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 57450
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015514
US-10-257-017B-57450

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 732 CTTTACCTTGA 743
Db 1 CTTTACCTTAA 2

RESULT 271
US-10-257-017B-64773
; Sequence 64773, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64773
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017077
US-10-257-017B-64773

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
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Db 1 TTGAGGATTATT 12

RESULT 272
US-10-257-017B-64774/c
; Sequence 64774, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64774
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017077
US-10-257-017B-64774

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
Db 13 TTGAGGATTATT 2

RESULT 273
US-10-257-017B-64779
; Sequence 64779, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64779
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017077
US-10-257-017B-64779

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
Db 1 TCGAGGATTATT 12

RESULT 274
US-10-257-017B-64780/c
; Sequence 64780, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64780
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017077
US-10-257-017B-64780

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
Db      13 TCGAGGATTATT 2

RESULT 275
US-10-257-017B-67107
; Sequence 67107, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67107
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017577
US-10-257-017B-67107

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
Db      1 ATTATTGATAAT 12

RESULT 276
US-10-257-017B-67108/c
; Sequence 67108, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67108
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017847
US-10-257-017B-68451

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAATAT 759
Db      2 TTTTGATAATAT 13

RESULT 277
US-10-257-017B-68451
; Sequence 68451, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 68451
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017847
US-10-257-017B-68451

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAATAT 759
Db      2 TTTTGATAATAT 13

RESULT 278
US-10-257-017B-68452/c
; Sequence 68452, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 68452
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017847
US-10-257-017B-68452
```

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; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67108
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017577
US-10-257-017B-67108

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
Db      13 ATTATTGATAAT 2

RESULT 277
US-10-257-017B-68451
; Sequence 68451, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 68451
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017847
US-10-257-017B-68451

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAATAT 759
Db      2 TTTTGATAATAT 13

RESULT 278
US-10-257-017B-68452/c
; Sequence 68452, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 68452
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017847
US-10-257-017B-68452
```

```
Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATAT 759
Db 12 TTTTGATAATAT 1

RESULT 279
US-10-257-017B-70211
; Sequence 70211, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 70211
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018252
US-10-257-017B-70211

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATATG 760
Db 1 ATGATAATATG 12

RESULT 280
US-10-257-017B-70212/c
; Sequence 70212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 70212
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018252
US-10-257-017B-70212

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATATG 760
Db 13 ATGATAATATG 2
```

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RESULT 281
US-10-257-017B-71255
; Sequence 71255, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71255
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018463
US-10-257-017B-71255

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATT 751
Db 1 TTTAGGATTATT 12

RESULT 282
US-10-257-017B-71256/c
; Sequence 71256, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71256
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018463
US-10-257-017B-71256

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATT 751
Db 13 TTTAGGATTATT 2

RESULT 283
US-10-257-017B-74595
; Sequence 74595, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 74595
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018463
US-10-257-017B-74595

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATT 751
Db 13 TTTAGGATTATT 2
```



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; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 74595
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019158
US-10-257-017B-74595

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATGGG 762
   |||||
Db 2 TGATTATATGGG 13

RESULT 284
US-10-257-017B-74596/C
; Sequence 74596, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 74596
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019158
US-10-257-017B-74596

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATGGG 762
   |||||
Db 12 TGATTATATGGG 1

RESULT 285
US-10-257-017B-75709/C
; Sequence 75709, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75709
; LENGTH: 13
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019406
US-10-257-017B-75709

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTA 737
   |||||
Db 12 CTATACCTTTTA 1

RESULT 286
US-10-257-017B-75710
; Sequence 75710, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75710
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019406
US-10-257-017B-75710

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTA 737
   |||||
Db 2 CTATACCTTTTA 13

RESULT 287
US-10-257-017B-76021
; Sequence 76021, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 76021
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019467
US-10-257-017B-76021

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY 740 TTGAGGATTATT 751
Db 1 TTGAGTATTATT 12

RESULT 288

US-10-257-017B-76022/c
; Sequence 76022, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 76022
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019467
US-10-257-017B-76022

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
Db 13 TTGAGTATTATT 2

RESULT 289

US-10-257-017B-81875
; Sequence 81875, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81875
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020697
US-10-257-017B-81875

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTTG 680
Db 2 GGGTTTAATTG 13

RESULT 290

US-10-257-017B-81876/c
; Sequence 81876, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81876
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020697
US-10-257-017B-81876

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTTG 680
Db 12 GGGTTTAATTG 1

RESULT 291

US-10-257-017B-82479
; Sequence 82479, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82479
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020810
US-10-257-017B-82479

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 737 ACCTTGAGGATT 748
Db 1 ACGTTGAGGATT 12

RESULT 292

US-10-257-017B-82480/c
; Sequence 82480, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82480
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020810
US-10-257-017B-82480

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      737 ACGTTGAGGATT 748
Db      13 ACGTTGAGGATT 2

RESULT 293
US-10-257-017B-82489
; Sequence 82489, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82489
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020811
US-10-257-017B-82489

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      667 GAGGGTTTACTT 678
Db      1 GAGGGTTTACTT 12

RESULT 294
US-10-257-017B-82490/c
; Sequence 82490, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82490
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020811
US-10-257-017B-82490
```

```
Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      667 GAGGGTTTACTT 678
Db      13 GAGGGTTTACTT 2
```

```
RESULT 295
US-10-257-017B-84609
; Sequence 84609, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 84609
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021289
US-10-257-017B-84609
```

```
Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
Db      1 ATTATTGATAAT 12
```

```
RESULT 296
US-10-257-017B-84610/c
; Sequence 84610, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 84610
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021289
US-10-257-017B-84610
```

```
Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
Db      13 ATTATTGATAAT 2
```

```
RESULT 297
US-10-257-017B-85575
; Sequence 85575, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85575
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021507
US-10-257-017B-85575

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAATAT 759
Db      1 TATTATAATAT 12

RESULT 298
US-10-257-017B-85576/c
; Sequence 85576, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85576
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021507
US-10-257-017B-85576

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAATAT 759
Db      13 TATTATAATAT 2

RESULT 299
US-10-257-017B-87139
; Sequence 87139, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 87139
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021907
US-10-257-017B-87139

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      708 GAAATTGCTGTG 719
Db      1 GAAATTGATGTG 12

RESULT 300
US-10-257-017B-87140/c
; Sequence 87140, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 87140
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021907
US-10-257-017B-87140

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      708 GAAATTGCTGTG 719
Db      13 GAAATTGATGTG 2

RESULT 301
US-10-257-017B-87159
; Sequence 87159, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 87159
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021908
US-10-257-017B-87159

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 708 GAAATTGCTGTG 719
Db 2 GAAATTGATGTG 13

RESULT 302
US-10-257-017B-87160/c
; Sequence 87160, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 87160
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021908
US-10-257-017B-87160

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 708 GAAATTGCTGTG 719
Db 12 GAAATTGATGTG 1

RESULT 303
US-10-257-017B-90333/c
; Sequence 90333, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 90333
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022643
US-10-257-017B-90333

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 730 ACCTTTTACCTT 741
Db 12 ACCTATTACCTT 1

RESULT 304
US-10-257-017B-90334
; Sequence 90334, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 90334
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022643
US-10-257-017B-90334

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 730 ACCTTTTACCTT 741
Db 2 ACCTATTACCTT 13

RESULT 305
US-10-257-017B-90543
; Sequence 90543, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 90543
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022658
US-10-257-017B-90543

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
Db 1 TTGAGGTTTATT 12

RESULT 306
US-10-257-017B-90544/c
; Sequence 90544, Application US/10257017B
```

```
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 90544
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022688
US-10-257-017B-90544

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGTTATT 751
Db      13 TTGAGGTTATT 2

RESULT 307
US-10-257-017B-95599
/ Sequence 95599, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 95599
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023789
US-10-257-017B-95599

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATATG 760
Db      2 ATTATAATATG 13

RESULT 308
US-10-257-017B-95600/c
/ Sequence 95600, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
```

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/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 95600
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023789
US-10-257-017B-95600

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATATG 760
Db      12 ATTATAATATG 1

RESULT 309
US-10-257-017B-97595
/ Sequence 97595, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 97595
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024242
US-10-257-017B-97595

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      687 AAGATACTGATT 698
Db      2 AAGATACTGATT 13

RESULT 310
US-10-257-017B-97596/c
/ Sequence 97596, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 97596
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024242
```

US-10-257-017B-97596

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 687 AAGATAGTGATT 698
DB 12 AAGATAGTGATT 1

RESULT 311

US-10-257-017B-107905
; Sequence 107905, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 107905
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027019
US-10-257-017B-107905

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGGTTATTGATA 755
DB 2 GGGTTATTGATA 13

RESULT 312

US-10-257-017B-107906/c
; Sequence 107906, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 107906
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027019
US-10-257-017B-107906

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGGTTATTGATA 755
DB 12 GGGTTATTGATA 1

RESULT 313

US-10-257-017B-110065
; Sequence 110065, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110065
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027497
US-10-257-017B-110065

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATGG 761
DB 2 TTGATAATATGG 13

RESULT 314

US-10-257-017B-110066/c
; Sequence 110066, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110066
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027497
US-10-257-017B-110066

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATGG 761
DB 12 TTGATAATATGG 1

RESULT 315

US-10-257-017B-118113
; Sequence 118113, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 118113
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027497
US-10-257-017B-118113

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGGTTATTGATA 755
DB 12 GGGTTATTGATA 1

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 118113
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029536
US-10-257-017B-118113

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATTG 752
Db      2 TGAGGATTAAATG 13

RESULT 316
US-10-257-017B-118114/c
; Sequence 118114, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 118114
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029536
US-10-257-017B-118114

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATTG 752
Db      12 TGAGGATTAAATG 1

RESULT 317
US-10-257-017B-126011
; Sequence 126011, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 126011
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031525
US-10-257-017B-126011

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      688 AGATACTGATTG 699
Db      1 AGATAATGATTG 12

RESULT 318
US-10-257-017B-126012/c
; Sequence 126012, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 126012
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031525
US-10-257-017B-126012

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      688 AGATACTGATTG 699
Db      13 AGATAATGATTG 2

RESULT 319
US-10-257-017B-127201
; Sequence 127201, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 127201
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031834
US-10-257-017B-127201

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
```


Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 743 AGGATTATTGAT 754
|||||

Db 1 AGGATTATTAT 12

RESULT 320
US-10-257-017B-127202/c
; Sequence 127202, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 127202
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031834
US-10-257-017B-127202

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 743 AGGATTATTGAT 754
|||||

Db 13 AGGATTATTAT 2

RESULT 321
US-10-257-017B-127517
; Sequence 127517, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 127517
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031936
US-10-257-017B-127517

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 688 AGTACTGATTG 699
|||||

Db 1 AGATTATTG 12

RESULT 322
US-10-257-017B-127518/c

; Sequence 127518, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 127518
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031936
US-10-257-017B-127518

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 688 AGTACTGATTG 699
|||||

Db 13 AGATTATTG 2

RESULT 323
US-10-257-017B-128539
; Sequence 128539, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128539
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032191
US-10-257-017B-128539

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 659 TTGACACAGAG 670
|||||

Db 2 TTGAAAGAGG 13

RESULT 324
US-10-257-017B-128540/c
; Sequence 128540, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128540
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032191
US-10-257-017B-128540

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      659 TTGGACAGAGG 670
Db      12 TTGGAAAGAGG 1

RESULT 325
US-10-257-017B-129359
; Sequence 129359, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 129359
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032360
US-10-257-017B-129359

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAAT 759
Db      2 TATTATAAT 13

RESULT 326
US-10-257-017B-129360/c
; Sequence 129360, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 129360
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032360
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032360
US-10-257-017B-129360

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAAT 759
Db      12 TATTATAAT 1

RESULT 327
US-10-257-017B-134359
; Sequence 134359, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134359
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033487
US-10-257-017B-134359

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
Db      2 ATTATTGTAAT 13

RESULT 328
US-10-257-017B-134360/c
; Sequence 134360, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134360
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033487
US-10-257-017B-134360

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
Db      2 ATTATTGTAAT 13
```

Db 12 ATTATTGTAAT 1

RESULT 329

US-10-257-017B-149557
; Sequence 149557, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 149557
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037750
US-10-257-017B-149557

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 750 TTGATAATATGG 761

Db 1 TTGATAATATGG 12

RESULT 330

US-10-257-017B-149558/c
; Sequence 149558, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 149558
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037750
US-10-257-017B-149558

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 750 TTGATAATATGG 761

Db 13 TTGATAATATGG 2

RESULT 331

US-10-257-017B-152643/c
; Sequence 152643, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152643
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038583
US-10-257-017B-152643

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATAT 759

Db 13 TATTGATAATAT 2

RESULT 332

US-10-257-017B-152644
; Sequence 152644, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152644
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038583
US-10-257-017B-152644

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATAT 759

Db 1 TATTGATAATAT 12

RESULT 333

US-10-257-017B-152911
; Sequence 152911, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046

```
; SEQ ID NO 152911
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038646
US-10-257-017B-152911

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
Db      1 TTGATGATTATT 12

RESULT 334
US-10-257-017B-152912/c
; Sequence 152912, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152912
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038646
US-10-257-017B-152912

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
Db      13 TTGATGATTATT 2

RESULT 335
US-10-257-017B-153043
; Sequence 153043, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153043
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038682
US-10-257-017B-153043

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
Db      13 TTGATGATTATT 2
```

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Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
Db      1 TGGAGGATTATT 12

RESULT 336
US-10-257-017B-153044/c
; Sequence 153044, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153044
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038682
US-10-257-017B-153044

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
Db      13 TGGAGGATTATT 2

RESULT 337
US-10-257-017B-158857
; Sequence 158857, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158857
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039987
US-10-257-017B-158857

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      750 TTGATAATATGG 761
Db      1 TTTATAATATGG 12

RESULT 338
```

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US-10-257-017B-158858/c
; Sequence 158858, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158858
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039987
US-10-257-017B-158858

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATGCG 761
Db 13 TTTATATATGCG 2

RESULT 339
US-10-257-017B-159523
; Sequence 159523, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159523
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040154
US-10-257-017B-159523

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
Db 2 TTGAGGATTATT 13

RESULT 340
US-10-257-017B-159524/c
; Sequence 159524, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159524
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040154
US-10-257-017B-159524

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
Db 12 TTGAGGATTATT 1

RESULT 341
US-10-257-017B-162519
; Sequence 162519, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 162519
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040885
US-10-257-017B-162519

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGTAA 756
Db 2 GATTATTGTAA 13

RESULT 342
US-10-257-017B-162520/c
; Sequence 162520, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 162520
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040885
US-10-257-017B-162520

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 GATTATTGATAA 756
Db      12 GATTATTGTAA 1

RESULT 343
US-10-257-017B-165081
; Sequence 165081, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165081
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041410
US-10-257-017B-165081

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      685 GGAAGACTACTGA 696
Db      2 GGAAGATAATGA 13

RESULT 344
US-10-257-017B-165082/c
; Sequence 165082, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165082
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041410
US-10-257-017B-165082

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      685 GGAAGACTACTGA 696
Db      2 GGAAGATAATGA 13
```

```
Db      12 GGAAGATAATGA 1

RESULT 345
US-10-257-017B-165741
; Sequence 165741, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165741
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041570
US-10-257-017B-165741

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
Db      2 TTGGGGATTATT 13

RESULT 346
US-10-257-017B-165742/c
; Sequence 165742, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165742
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041570
US-10-257-017B-165742

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
Db      12 TTGGGGATTATT 1

RESULT 347
US-10-257-017B-165853
; Sequence 165853, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Kurt Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165853
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041592
US-10-257-017B-165853

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      746 ATTATTGATAAT 757
Db      1 ATTATTGATAAT 12

RESULT 348
US-10-257-017B-165854/C
; Sequence 165854, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165854
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041592
US-10-257-017B-165854

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      746 ATTATTGATAAT 757
Db      13 ATTATTGATAAT 2

RESULT 349
US-10-257-017B-167093
; Sequence 167093, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 167093
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041839
US-10-257-017B-167093

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      746 ATTATTGATAAT 757
Db      1 ATTATTGATAAT 12

RESULT 350
US-10-257-017B-167094/C
; Sequence 167094, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 167094
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041839
US-10-257-017B-167094

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      746 ATTATTGATAAT 757
Db      13 ATTATTGATAAT 2

RESULT 351
US-10-257-017B-167867
; Sequence 167867, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 167867
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042007
US-10-257-017B-167867
```

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATGAT 754
| | | | | | | | | | | | |
- Db 1 AGGATTATAGAT 12

RESULT 352
US-10-257-017B-167868/c
; Sequence 167868, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 167868
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042007
US-10-257-017B-167868

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATGAT 754
| | | | | | | | | | | | |
Db 13 AGGATTATAGAT 2

RESULT 353
US-10-257-017B-176989
; Sequence 176989, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 176989
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043912
US-10-257-017B-176989

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
| | | | | | | | | | | | |
Db 1 TTGAGGATTATT 12

RESULT 354
US-10-257-017B-176990/c
; Sequence 176990, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 176990
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043912
US-10-257-017B-176990

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
| | | | | | | | | | | | |
Db 13 TTGAGGATTATT 2

RESULT 355
US-10-257-017B-179291
; Sequence 179291, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 179291
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044389
US-10-257-017B-179291

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
| | | | | | | | | | | | |
Db 1 TTGAGGATTATT 12

RESULT 356
US-10-257-017B-179292/c
; Sequence 179292, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations


```
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 179292
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044389
US-10-257-017B-179292

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
DB      13 TTGAGGTTATT 2

RESULT 357
US-10-257-017B-179293
/ Sequence 179293, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 179293
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044389
US-10-257-017B-179293

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
DB      1 TTGAGGTTATT 12

RESULT 358
US-10-257-017B-179294/c
/ Sequence 179294, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 179294
/ LENGTH: 13
/ TYPE: DNA
```

```
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044389
US-10-257-017B-179294

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTATT 751
DB      13 TTGAGGTTATT 2

RESULT 359
US-10-257-017B-182487
/ Sequence 182487, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 182487
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045104
US-10-257-017B-182487

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGATA 755
DB      2 GGATTATTGTTA 13

RESULT 360
US-10-257-017B-182488/c
/ Sequence 182488, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 182488
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045104
US-10-257-017B-182488

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY 744 GGATTATTGATA 755
Db 12 GGATTATTGTTA 1

RESULT 361

US-10-257-017B-184019
; Sequence 184019, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184019
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045431
US-10-257-017B-184019

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
Db 1 TTATTGATAATA 12

RESULT 362

US-10-257-017B-184020/c
; Sequence 184020, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184020
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045431
US-10-257-017B-184020

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
Db 13 TTATTGATAATA 2

RESULT 363

US-10-257-017B-185645
; Sequence 185645, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 185645
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045748
US-10-257-017B-185645

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGGT 763
Db 1 GATAATATGGGT 12

RESULT 364

US-10-257-017B-185646/c
; Sequence 185646, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 185646
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045748
US-10-257-017B-185646

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGGT 763
Db 13 GATAATATGGGT 2

RESULT 365

US-10-257-017B-191095
; Sequence 191095, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191095
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047017
US-10-257-017B-191095

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
      ||| ||||| |||
Db      2 ATAATTGATAAT 13

RESULT 366
US-10-257-017B-191096/c
; Sequence 191096, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191096
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047017
US-10-257-017B-191096

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
      ||| ||||| |||
Db      12 ATAATTGATAAT 1

RESULT 367
US-10-257-017B-191223
; Sequence 191223, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191223
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047045
US-10-257-017B-191223

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
      ||| ||||| |||
Db      12 ATAATTGATAAT 1

RESULT 368
US-10-257-017B-191224/c
; Sequence 191224, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191224
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047045
US-10-257-017B-191224

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAATA 758
      ||| ||||| |||
Db      1 TTATTGATAATA 12

RESULT 369
US-10-257-017B-193453
; Sequence 193453, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 193453
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047594
US-10-257-017B-193453

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATTG 752
      ||| ||||| |||
Db      1 TGAGGATTATTG 12
```

```

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAATA 758
      ||| ||||| |||
Db      1 TTATTGATAATA 12
```

```

RESULT 368
US-10-257-017B-191224/c
; Sequence 191224, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191224
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047045
US-10-257-017B-191224

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAATA 758
      ||| ||||| |||
Db      13 TTATTGATAATA 2
```

```

RESULT 369
US-10-257-017B-193453
; Sequence 193453, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 193453
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047594
US-10-257-017B-193453

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATTG 752
      ||| ||||| |||
Db      1 TGAGGATTATTG 12
```

```
RESULT 370
US-10-257-017B-193454/c
; Sequence 193454, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 193454
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047594
US-10-257-017B-193454

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      741 TGAAGGATTATTG 752
Db      13 TGAAGGATTATTG 2

RESULT 371
US-10-257-017B-201809
; Sequence 201809, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201809
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049622
US-10-257-017B-201809

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      740 TTGAGGATTATT 751
Db      2 TTGAGGATTATT 13

RESULT 372
US-10-257-017B-201810/c
; Sequence 201810, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201810
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049622
US-10-257-017B-201810

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      740 TTGAGGATTATT 751
Db      12 TTGAGGATTATT 1

RESULT 373
US-10-257-017B-202991
; Sequence 202991, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 202991
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049851
US-10-257-017B-202991

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      740 TTGAGGATTATT 751
Db      1 TTGAGGATTATT 12

RESULT 374
US-10-257-017B-202992/c
; Sequence 202992, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 202992
; LENGTH: 13
```

```

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049851
US-10-257-017B-202992

```

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
Db 13 TTGAGGATTAAAT 2

```

RESULT 375
US-10-257-017B-207143
; Sequence 207143, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207143
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005525
US-10-257-017B-207143

```

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 668 AGGTTTACTTT 679
| | | | |
Db 1 AGGTTTAAATT 12

```

RESULT 376
US-10-257-017B-207144/c
; Sequence 207144, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207144
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005525
US-10-257-017B-207144

```

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 668 AGGGTTTACTTT 679
Db 13 AGGGTTTAAATT 2

```

RESULT 377
US-10-257-017B-207365
; Sequence 207365, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methyations
; FILE REFERENCE: P01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207365
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001422
US-10-257-017B-207365

```

```
Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

Qy 746 ATTATTGATAAT 757
Dp 2 ATTAATGATAAT 13

```

RESULT 378
US-10-257-017B-207366/c
; Sequence 207366, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207366
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001422
US-10-257-017B-207366

```

Query Match	8.6%;	Score 10.4;	DB 1;	Length 13;
Best Local Similarity	91.7%;	Pred. No. 5.3e+02;		
Matches 11:	Conservative	0;	Mismatches 1;	Indels 0;
				Caps 0;

Qy 746 ATTATTGATAAT 757
||| ||| ||| ||| |||
Db 12 ATTAATGATAAT 1

RESULT 379
US-10-257-017B-207633
: Sequence 207633. Application US/10257017B

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207633
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050773
US-10-257-017B-207633

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 756 ATATGGGTCAAG 767
Db 1 ATATGGGTAAAG 12

RESULT 380
US-10-257-017B-207634/c
; Sequence 207634, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207634
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050773
US-10-257-017B-207634

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 756 ATATGGGTCAAG 767
Db 13 ATATGGGTAAAG 2

RESULT 381
US-10-257-017B-207913
; Sequence 207913, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207913
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007746
US-10-257-017B-207913

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATTG 752
Db 2 TGAGATTATTG 13

RESULT 382
US-10-257-017B-207914/c
; Sequence 207914, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207914
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007746
US-10-257-017B-207914

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATTG 752
Db 12 TGAGATTATTG 1

RESULT 383
US-10-257-017B-208045
; Sequence 208045, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208045
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004806
US-10-257-017B-208045
```

US-10-257-017B-208045

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
||| |||||
Db 2 TTTTGTATAATA 13

RESULT 384

US-10-257-017B-208046/c
; Sequence 208046, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208046
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004806
US-10-257-017B-208046

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
||| |||||
Db 12 TTTTGTATAATA 1

RESULT 385

US-10-257-017B-208281
; Sequence 208281, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208281
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00050914
US-10-257-017B-208281

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 709 AAATTGCTGTGG 720
||| |||||
Db 2 AAATTGCTGTGG 13

RESULT 386

US-10-257-017B-208282/c
; Sequence 208282, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208282
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00050914
US-10-257-017B-208282

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 709 AAATTGCTGTGG 720
||| |||||
Db 12 AAATTGCTGTGG 1

RESULT 387

US-10-257-017B-208363
; Sequence 208363, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208363
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00050926
US-10-257-017B-208363

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATATATGGGT 763
||| |||||
Db 1 GATATATGGGT 12

RESULT 388

US-10-257-017B-208364/c
; Sequence 208364, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208668
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00050926
US-10-257-017B-208668

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      752 GATAATATGGGT 763
      ||||| |||||
Db      13 GATATTATGGGT 2

RESULT 389
US-10-257-017B-208667
; Sequence 208667, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208667
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005055
US-10-257-017B-208667

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATG 752
      ||||| |||||
Db      1 TGAGTATTATG 12

RESULT 390
US-10-257-017B-208668/c
; Sequence 208668, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208668
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005055
US-10-257-017B-208668

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATG 752
      ||||| |||||
Db      13 TGAGTATTATG 2

RESULT 391
US-10-257-017B-213717
; Sequence 213717, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213717
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001139
US-10-257-017B-213717

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAATAT 759
      ||||| |||||
Db      1 TATTATAATAT 12

RESULT 392
US-10-257-017B-213718/c
; Sequence 213718, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213718
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001139
US-10-257-017B-213718

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
```


Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATGATAT 759
DB 13 TATTGATGATAT 2

RESULT 393

US-10-257-017B-218987
; Sequence 218987, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 218987
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053260
US-10-257-017B-218987

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATATATGGGT 763
DB 1 GATATATGGGT 12

RESULT 394

US-10-257-017B-218988/c
; Sequence 218988, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 218988
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053260
US-10-257-017B-218988

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATATATGGGT 763
DB 13 GATATATGGGT 2

RESULT 395

US-10-257-017B-222233

; Sequence 222233, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222233
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054074
US-10-257-017B-222233

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATGATTA 758
DB 2 TTATTGATGATTA 13

RESULT 396

US-10-257-017B-222234/c
; Sequence 222234, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222234
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054074
US-10-257-017B-222234

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATGATTA 758
DB 12 TTATTGATGATTA 1

RESULT 397

US-10-257-017B-227431
; Sequence 227431, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
US-10-257-017B-227431

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227431
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055464
US-10-257-017B-227431

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 687 AAGATCTGATT 698
Db 1 AAGATCGGATT 12

RESULT 398
US-10-257-017B-227432/c
; Sequence 227432, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227432
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055464
US-10-257-017B-227432

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 687 AAGATCTGATT 698
Db 13 AAGATCGGATT 2

RESULT 399
US-10-257-017B-229957
; Sequence 229957, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 229957
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006330
US-10-257-017B-229957

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
Db 2 TTGAGGTTATT 13

RESULT 400
US-10-257-017B-229958/c
; Sequence 229958, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 229958
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006330
US-10-257-017B-229958

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
Db 12 TTGAGGTTATT 1

RESULT 401
US-10-257-017B-230409
; Sequence 230409, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230409
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056197
US-10-257-017B-230409

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATGATTATT 757
Db 11 ATTATGATTATT 1
```

```
Db      1 ATTATTGATAGT 12
;
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230410
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056197
US-10-257-017B-230410

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
Db      13 ATTATTGATAGT 2
;
;
RESULT 403
US-10-257-017B-232545/c
; Sequence 232545, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 232545
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056710
US-10-257-017B-232545

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      730 ACCTTTTACCTT 741
Db      12 ACCTTTTACTTT 1
;
;
RESULT 404
US-10-257-017B-232546
; Sequence 232546, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 232546
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056710
US-10-257-017B-232546

Query Match      8.8%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      730 ACCTTTTACCTT 741
Db      2 ACCTTTTACTTT 13
;
;
RESULT 405
US-10-257-017B-234681/c
; Sequence 234681, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234681
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057287
US-10-257-017B-234681

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAATA 758
Db      13 TTATTGATAATA 2
;
;
RESULT 406
US-10-257-017B-234682
; Sequence 234682, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

; SEQ ID NO 234682
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057287
US-10-257-017B-234682

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
|||||
Db 1 TTATTCATAATA 12

RESULT 407
US-10-257-017B-241727
; Sequence 241727, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241727
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058948
US-10-257-017B-241727

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
|||||
Db 2 TTATTGAGAATA 13

RESULT 408
US-10-257-017B-241728/c
; Sequence 241728, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241728
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058948
US-10-257-017B-241728

Query Match 8.6%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
|||||
Db 12 TTATTGAGAATA 1

RESULT 409
US-10-257-017B-254581
; Sequence 254581, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 254581
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062065
US-10-257-017B-254581

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGAT 754
|||||
Db 1 AGGATTATTGAT 12

RESULT 410
US-10-257-017B-254582/c
; Sequence 254582, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 254582
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062065
US-10-257-017B-254582

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGAT 754
|||||
Db 13 AGGATTATTGAT 2

RESULT 411

```
US-10-257-017B-255893
; Sequence 255893, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 255893
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009065
US-10-257-017B-255893

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      752 GATAATATGGGT 763
Db      1 GATAATATGGTT 12

RESULT 412
US-10-257-017B-255894/c
; Sequence 255894, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 255894
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009065
US-10-257-017B-255894

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      752 GATAATATGGGT 763
Db      13 GATAATATGGTT 2

RESULT 413
US-10-257-017B-256475
; Sequence 256475, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

```
US-10-257-017B-256476
; Sequence 256476, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256476
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062476
US-10-257-017B-256476

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 GATTATATGATAA 756
Db      1 GATTATATGATAA 12

RESULT 414
US-10-257-017B-256476/c
; Sequence 256476, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256476
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062476
US-10-257-017B-256476

Query Match      8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 GATTATATGATAA 756
Db      13 GATTATATGATAA 2

RESULT 415
US-10-257-017B-256987
; Sequence 256987, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256987
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062560
US-10-257-017B-256987

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
|||||
Db 1 ATTATTGATTAT 12

RESULT 416
US-10-257-017B-256988/c
; Sequence 256988, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256988
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062560
US-10-257-017B-256988

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
|||||
Db 13 ATTATTGATTAT 2

RESULT 417
US-10-257-017B-257343
; Sequence 257343, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 257343
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062568
US-10-257-017B-257343

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751

Db 2 TTGTGGATTATT 13
|||||

RESULT 418
US-10-257-017B-257344/c
; Sequence 257344, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 257344
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062568
US-10-257-017B-257344

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTATT 751
|||||
Db 12 TTGTGGATTATT 1

RESULT 419
US-10-257-017B-258033
; Sequence 258033, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258033
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062747
US-10-257-017B-258033

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 734 TTACCTTGAGG 745
|||||
Db 1 TTACCTTGAGG 12

RESULT 420
US-10-257-017B-258034/c
; Sequence 258034, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
PRIOR FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 258034
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062747
US-10-257-017B-258034

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 734 TTACTCTGAGG 745
DB 13 TTTACGTTGAGG 2

RESULT 421
US-10-257-017B-258635
Sequence 258635, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
PRIOR FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 258635
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062881
US-10-257-017B-258635

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATGG 761
DB 2 TTGAGATATGG 13

RESULT 422
US-10-257-017B-258636/c
Sequence 258636, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
PRIOR FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 258636
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062881
US-10-257-017B-258636

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATGG 761
DB 12 TTGAGATATGG 1

RESULT 423
US-10-257-017B-259473
Sequence 259473, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
PRIOR FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 259473
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063021
US-10-257-017B-259473

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGAT 754
DB 1 AGGATTATTGAT 12

RESULT 424
US-10-257-017B-259474/c
Sequence 259474, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
PRIOR FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 259474
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063021
US-10-257-017B-259474

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTCAT 754
| | | | | | | | | | | | | | |
Db 13 AGGATTATTCAT 2

RESULT 425
US-10-257-017B-262113
; Sequence 262113, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262113
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063596
US-10-257-017B-262113

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTGTT 751
| | | | | | | | | | | | | | |
Db 2 TTGAGGATTGTT 13

RESULT 426
US-10-257-017B-262114/c
; Sequence 262114, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262114
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063596
US-10-257-017B-262114

Query Match 8.6%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 5.3e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTGTT 751
| | | | | | | | | | | | | | |
Db 12 TTGAGGATTGTT 1

RESULT 427
US-10-708-951-23110
; Sequence 23110, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 23110
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-23110

Query Match 8.6%; Score 10.4; DB 1; Length 14;
Best Local Similarity 75.0%; Pred. No. 5.9e+02;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 700 CTGTACCCGAAA 711
| | | | | | | | | | | | | | |
Db 3 CUGUCCCGAAA 14

RESULT 428
US-10-708-951-40943
; Sequence 40943, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 40943
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-40943

Query Match 8.6%; Score 10.4; DB 1; Length 14;
Best Local Similarity 75.0%; Pred. No. 5.9e+02;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 700 CTGTACCCGAAA 711
| | | | | | | | | | | | | | |
Db 3 CUGUCCCGAAA 14

RESULT 429
US-10-708-951-23498
; Sequence 23498, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 23498
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-23498

Query Match 8.6%; Score 10.4; DB 1; Length 15;

Best Local Similarity 66.7%; Pred. No. 6.5e+02; DB 1; Length 15;
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 688 AGATACTGATTG 699
|:|:|:|:|:|:
Db 3 AGAUACUGAUG 14

RESULT 430

US-10-708-951-26493
; Sequence 26493, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26493
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-26493

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 75.0%; Pred. No. 6.5e+02;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 700 CTGTACCCGAAA 711
|:|:|:|:|:|:
Db 3 CUGUCCCGAAA 14

RESULT 431

US-10-708-951-27760
; Sequence 27760, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 27760
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-27760

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 66.7%; Pred. No. 6.5e+02;
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 688 AGATACTGATTG 699
|:|:|:|:|:|:
Db 3 AGAUACUGAUG 14

RESULT 432

US-10-708-951-29356
; Sequence 29356, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824

; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29356
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-29356

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 41.7%; Pred. No. 6.5e+02;
Matches 5; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

QY 730 ACCTTTTACCTT 741
|:|:|:|:|:|:
Db 2 ACCUUUUUUUU 13

RESULT 433

US-10-708-951-31452
; Sequence 31452, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 31452
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-31452

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 75.0%; Pred. No. 6.5e+02;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 700 CTGTACCCGAAA 711
|:|:|:|:|:|:
Db 3 CUGUCCCGAAA 14

RESULT 434

US-10-708-951-32324
; Sequence 32324, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32324
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-32324

Query Match 8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 66.7%; Pred. No. 6.5e+02;
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 688 AGATACTGATTG 699
|:|:|:|:|:|:
Db 3 AGAUACUGAUG 14

RESULT 435

US-10-708-951-47293
; Sequence 47293, Application US/10708951

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; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 47293
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-47293

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 75.0%; Pred. No. 6.5e+02;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 700 CTGTACCCGAAA 711
|:|:|:|:|:|:|
Db 3 CUGUCCCGAAA 14

RESULT 436
US-10-708-951-49732
; Sequence 49732, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 49732
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-49732

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 66.7%; Pred. No. 6.5e+02;
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 688 AGATACCTGATTG 699
|:|:|:|:|:|:|
Db 3 AGAUACUGAUG 14

RESULT 437
US-10-708-951-52024
; Sequence 52024, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 52024
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-52024

Query Match      8.6%; Score 10.4; DB 1; Length 15;
Best Local Similarity 41.7%; Pred. No. 6.5e+02;
Matches 5; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

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QY 730 ACCTTTTACCTT 741
|:|:|:|:|:|:|
Db 2 ACCUUUUUUUUU 13

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RESULT 438
US-10-708-951-24912
; Sequence 24912, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 24912
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-24912

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```

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 7.2e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

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QY 664 ACAGAGGGTTTACTT 678
|:|:|:|:|:|:|
Db 1 ACAGAGGAUCUGUU 15

```

```

RESULT 439
US-10-708-951-28385
; Sequence 28385, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 28385
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-28385

```

```

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 7.2e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

```

```

QY 664 ACAGAGGGTTTACTT 678
|:|:|:|:|:|:|
Db 1 ACAGAGGAUCUGUU 15

```

```

RESULT 440
US-10-708-951-30216
; Sequence 30216, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 30216
; LENGTH: 15

```

```
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-30216

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 7.2e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTTACTT 678
Db      1 ACAGAGGAUCUGCUU 15

RESULT 441
US-10-708-951-33899
; Sequence 33899, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIONALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 33899
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-33899

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 7.2e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTTACTT 678
Db      1 ACAGAGGAUCUGCUU 15

RESULT 442
US-10-708-951-47144
; Sequence 47144, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIONALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 47144
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-47144

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 7.2e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTTACTT 678
Db      1 ACAGAGGAUCUGCUU 15

RESULT 443
US-10-257-017B-268258
; Sequence 268258, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 268258
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001018
US-10-257-017B-268258

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      742 GAGGATTATT 751
Db      2 GAGGATTATT 11

RESULT 444
US-10-257-017B-269605/c
; Sequence 269605, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 269605
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001821
US-10-257-017B-269605

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      742 GAGGATTATT 751
Db      12 GAGGATTATT 3

RESULT 445
US-10-257-017B-270148/c
; Sequence 270148, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 270148
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001821
US-10-257-017B-270148/c

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      742 GAGGATTATT 751
Db      12 GAGGATTATT 3
```

```
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-30216

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 7.2e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTTACTT 678
Db      1 ACAGAGGAUCUGCUU 15

RESULT 441
US-10-708-951-33899
; Sequence 33899, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIONALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 33899
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-33899

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 7.2e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTTACTT 678
Db      1 ACAGAGGAUCUGCUU 15

RESULT 442
US-10-708-951-47144
; Sequence 47144, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIONALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 47144
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-47144

Query Match      8.4%; Score 10.2; DB 1; Length 15;
Best Local Similarity 53.3%; Pred. No. 7.2e+02;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTTACTT 678
Db      1 ACAGAGGAUCUGCUU 15

RESULT 443
US-10-257-017B-268258
; Sequence 268258, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 268258
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001018
US-10-257-017B-268258

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      742 GAGGATTATT 751
Db      2 GAGGATTATT 11

RESULT 444
US-10-257-017B-269605/c
; Sequence 269605, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 269605
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001821
US-10-257-017B-269605

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      742 GAGGATTATT 751
Db      12 GAGGATTATT 3

RESULT 445
US-10-257-017B-270148/c
; Sequence 270148, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 270148
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001821
US-10-257-017B-270148/c

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      742 GAGGATTATT 751
Db      12 GAGGATTATT 3
```

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; SEQ ID NO 270148
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002019
US-10-257-017B-270148

Query Match
Best Local Similarity 8.3%; Score 10; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 750 TTGATAATAT 759
Db 10 TTGATAATAT 1

RESULT 446
US-10-257-017B-272775
; Sequence 272775, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272775
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002935
US-10-257-017B-272775

Query Match
Best Local Similarity 8.3%; Score 10; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 TTATGATAA 756
Db 2 TTATGATAA 11

RESULT 447
US-10-257-017B-278524
; Sequence 278524, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278524
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006089
US-10-257-017B-278524

Query Match
Best Local Similarity 8.3%; Score 10; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 742 GAGGATTAAT 751
Db 2 GAGGATTAAT 11

RESULT 448
US-10-257-017B-278700/c
; Sequence 278700, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278700
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006281
US-10-257-017B-278700

Query Match
Best Local Similarity 8.3%; Score 10; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 748 TATTGATAAT 757
Db 10 TATTGATAAT 1

RESULT 449
US-10-257-017B-279839
; Sequence 279839, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279839
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007869
US-10-257-017B-279839

Query Match
Best Local Similarity 8.3%; Score 10; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 740 TTGAGGATTA 749
Db 2 TTGAGGATTA 11

RESULT 450
```

```
US-10-257-017B-285915
; Sequence 285915, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 285915
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012507
US-10-257-017B-285915

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      742 GAGGATTATT 751
      |||||
Db      1 GAGGATTATT 10

RESULT 451
US-10-257-017B-287074
; Sequence 287074, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 287074
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012944
US-10-257-017B-287074

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      743 AGGATTATTG 752
      |||||
Db      1 AGGATTATTG 10

RESULT 452
US-10-257-017B-298404/c
; Sequence 298404, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
```

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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 298404
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018079
US-10-257-017B-298404

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      754 TAATATGGGT 763
      |||||
Db      10 TAATATGGGT 1

RESULT 453
US-10-257-017B-298555
; Sequence 298555, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 298555
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide-Primer
US-10-257-017B-298555

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      743 AGGATTATTG 752
      |||||
Db      2 AGGATTATTG 11

RESULT 454
US-10-257-017B-304034
; Sequence 304034, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 304034
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020754
US-10-257-017B-304034

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 TTATTGATAA 756
Db 2 TTATTGATAA 11

RESULT 455
US-10-257-017B-305048
; Sequence 305048, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 305048
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021248
US-10-257-017B-305048

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 742 GAGGATTATT 751
Db 3 GAGGATTATT 12

RESULT 456
US-10-257-017B-308589/c
; Sequence 308589, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 308589
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023106
US-10-257-017B-308589

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 TTATTGATAA 756
```

```
Db 11 TTATTGATAA 2

RESULT 457
US-10-257-017B-308993/c
; Sequence 308993, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 308993
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023313
US-10-257-017B-308993

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 754 TAATATGGGT 763
Db 12 TAATATGGGT 3

RESULT 458
US-10-257-017B-308996/c
; Sequence 308996, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 308996
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023314
US-10-257-017B-308996

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTA 749
Db 11 TTGAGGATTA 2

RESULT 459
US-10-257-017B-316808
; Sequence 316808, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 316808
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027618
US-10-257-017B-316808

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      748 TATTGATAAT 757
Db      1 TATTGATAAT 10
|||||

RESULT 460
US-10-257-017B-326724/c
; Sequence 326724, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 326724
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033247
US-10-257-017B-326724

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      750 TTGATAAAT 759
Db      11 TTGATAAAT 2
|||||

RESULT 461
US-10-257-017B-326736/c
; Sequence 326736, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 326736
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033255
US-10-257-017B-326736

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      666 AGAGGGTTTA 675
Db      10 AGAGGGTTTA 1
|||||

RESULT 462
US-10-257-017B-329767
; Sequence 329767, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 329767
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0035132
US-10-257-017B-329767

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      746 ATTATTGATA 755
Db      2 ATTATTGATA 11
|||||

RESULT 463
US-10-257-017B-337904
; Sequence 337904, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 337904
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040135
US-10-257-017B-337904
```

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Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 740 TTGAGGATTA 749
Db 2 TTGAGGATTA 11

RESULT 464
US-10-257-017B-344361/c
; Sequence 344361, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344361
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043506
US-10-257-017B-344361

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 750 TTGATAAATAT 759
Db 12 TTGATAAATAT 3

RESULT 465
US-10-257-017B-346624/c
; Sequence 346624, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 346624
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044679
US-10-257-017B-346624

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 730 ACCTTTTACC 739
Db 10 ACCTTTTACC 1

```

```

RESULT 466
US-10-257-017B-348219/c
; Sequence 348219, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 348219
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045487
US-10-257-017B-348219

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 742 GAGGATTATT 751
Db 10 GAGGATTATT 1

RESULT 467
US-10-257-017B-348789/c
; Sequence 348789, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 348789
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045749
US-10-257-017B-348789

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 743 AGGATTATTG 752
Db 11 AGGATTATTG 2

RESULT 468
US-10-257-017B-358513
; Sequence 358513, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358513
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045749
US-10-257-017B-358513

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```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358513
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051167
US-10-257-017B-358513

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      747 TTATTGATAA 756
Db      3 TTATTGATAA 12

RESULT 469
US-10-257-017B-358849/c
; Sequence 358849, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358849
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051345
US-10-257-017B-358849

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      741 TCAGGATTAT 750
Db      12 TCAGGATTAT 3

RESULT 470
US-10-257-017B-360970
; Sequence 360970, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360970
; LENGTH: 12
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005612
US-10-257-017B-360970

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      747 TTATTGATAA 756
Db      1 TTATTGATAA 10

RESULT 471
US-10-257-017B-364069
; Sequence 364069, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 364069
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0054251
US-10-257-017B-364069

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      746 ATTATTGATA 755
Db      2 ATTATTGATA 11

RESULT 472
US-10-257-017B-365794
; Sequence 365794, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 365794
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055355
US-10-257-017B-365794

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 748 TATTGATAAT 757
| | | | | | | |
Db 1 TATTGATAAT 10

RESULT 473

US-10-257-017B-366769/c
; Sequence 366769, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366769
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055960
US-10-257-017B-366769

Query Match 8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 748 TATTGATAAT 757
| | | | | | | |
Db 10 TATTGATAAT 1

RESULT 474

US-10-257-017B-368454/c
; Sequence 368454, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368454
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0057032
US-10-257-017B-368454

Query Match 8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 754 TAATATGGGT 763
| | | | | | | |
Db 12 TAATATGGGT 3

RESULT 475

US-10-257-017B-371408/c
; Sequence 371408, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371408
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059756
US-10-257-017B-371408

Query Match 8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 746 ATTATTGATA 755
| | | | | | | |
Db 10 ATTATTGATA 1

RESULT 476

US-10-257-017B-373757/c
; Sequence 373757, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 373757
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0060304
US-10-257-017B-373757

Query Match 8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TTGATAATAT 759
| | | | | | | |
Db 12 TTGATAATAT 3

RESULT 477

US-10-257-017B-375428/c
; Sequence 375428, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 375428
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061245
US-10-257-017B-375428

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      740 TTGAGGATTA 749
Db      10 TTGAGGATTA 1

RESULT 478
US-10-257-017B-376358
; Sequence 376358, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 376358
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061749
US-10-257-017B-376358

Query Match      8.3%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      742 GAGGATTATT 751
Db      1 GAGGATTATT 10

RESULT 479
US-10-257-017B-5949
; Sequence 5949, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 5949
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001899
US-10-257-017B-5949
```

```
Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      748 TATTGATAATAT 759
Db      2 TATAGATAATAY 13

RESULT 480
US-10-257-017B-5950/c
; Sequence 5950, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 5950
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001899
US-10-257-017B-5950

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      748 TATTGATAATAT 759
Db      12 TATAGATAATAY 1

RESULT 481
US-10-257-017B-23259/c
; Sequence 23259, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 23259
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004733
US-10-257-017B-23259

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      704 ACCCGAATT 713
Db      10 ACCCGAATT 1
```

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RESULT 482
US-10-257-017B-23260
; Sequence 23260, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 23260
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004733
US-10-257-017B-23260

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 704 ACCCGAAATT 713
Db 4 ACCCGAAATT 13

RESULT 483
US-10-257-017B-23389
; Sequence 23389, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 23389
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004885
US-10-257-017B-23389

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 746 ATTATTGATA 755
Db 1 ATTATTGATA 10

RESULT 484
US-10-257-017B-23390/c
; Sequence 23390, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 23390
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004885
US-10-257-017B-23390

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 746 ATTATTGATA 755
Db 13 ATTATTGATA 4

RESULT 485
US-10-257-017B-31263
; Sequence 31263, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 31263
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009658
US-10-257-017B-31263

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 753 ATRATATGGG 762
Db 2 ATRATATGGG 11

RESULT 486
US-10-257-017B-31264/c
; Sequence 31264, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 31264
; LENGTH: 13
```

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009658
US-10-257-017B-31264

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 753 ATAATATGGG 762
DB 12 ATAATATGGG 3

RESULT 487
US-10-257-017B-33481
; Sequence 33481, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 33481
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010646
US-10-257-017B-33481

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759
DB 2 TAATGATAATAY 13

RESULT 488
US-10-257-017B-33482/c
; Sequence 33482, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 33482
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010646
US-10-257-017B-33482

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759
DB 2 TAATGATAATAY 13

RESULT 489
US-10-257-017B-37905
; Sequence 37905, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 37905
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011770
US-10-257-017B-37905

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 746 ATTATTGATA 755
DB 3 ATTATTGATA 12

RESULT 490
US-10-257-017B-37906/c
; Sequence 37906, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 37906
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011770
US-10-257-017B-37906

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 746 ATTATTGATA 755
DB 11 ATTATTGATA 2

RESULT 491
US-10-257-017B-40333
; Sequence 40333, Application US/10257017B
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QY 748 TATTGATAATAT 759
DB 12 TAATGATAATAY 1

RESULT 489
US-10-257-017B-37905
; Sequence 37905, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 37905
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011770
US-10-257-017B-37905

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 746 ATTATTGATA 755
DB 3 ATTATTGATA 12

RESULT 490
US-10-257-017B-37906/c
; Sequence 37906, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 37906
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011770
US-10-257-017B-37906

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 746 ATTATTGATA 755
DB 11 ATTATTGATA 2

RESULT 491
US-10-257-017B-40333
; Sequence 40333, Application US/10257017B
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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40333
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012244
US-10-257-017B-40333

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 742 GAGGATTATT 751
DB 4 GAGGATTATT 13

RESULT 492
US-10-257-017B-40334/C
; Sequence 40334, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40334
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012244
US-10-257-017B-40334

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 742 GAGGATTATT 751
DB 10 GAGGATTATT 1

RESULT 493
US-10-257-017B-48507/C
; Sequence 48507, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 48507
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013820
US-10-257-017B-48507

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 703 TACCCGAAAT 712
DB 11 TACCCGAAAT 2

RESULT 494
US-10-257-017B-48508
; Sequence 48508, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 48508
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013820
US-10-257-017B-48508

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 703 TACCCGAAAT 712
DB 3 TACCCGAAAT 12

RESULT 495
US-10-257-017B-51687
; Sequence 51687, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51687
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014414
US-10-257-017B-51687

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US-10-257-017B-51687

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Query March      5.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      740 TTGAGGATTATT 751
Db      2 TTTAGGATTATT 13

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RESULT 496
US-10-257-017B-51688/c
; Sequence 51688, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51688
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014414
US-10-257-017B-51688

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RESULT 497
US-10-257-017B-53981
; Sequence 53981, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53981
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014844
US-10-257-017B-53981

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RESULT 498
US-10-257-017B-53982/c
; Sequence 53982, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms
; TITLE OF INVENTION: methyations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53982
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014844
US-10-257-017B-53982

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RESULT 499
US-10-257-017B-64263
; Sequence 64263, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64263
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; * OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016953
US-10-257-017B-64263

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RESULT 500
US-10-257-017B-64264/c
; Sequence 64264, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

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; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64264
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016953
US-10-257-017B-64264

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      686 GAAGATACACTGAT 697
      |||||
Db      12 GAAGATAGTGA 1

RESULT 501
US-10-257-017B-67147
; Sequence 67147, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67147
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017589
US-10-257-017B-67147

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      743 AGGATTATTG 752
      |||||
Db      4 AGGATTATTG 13

RESULT 502
US-10-257-017B-67148/c
; Sequence 67148, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67148
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017589
US-10-257-017B-67148

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      743 AGGATTATTG 752
      |||||
Db      10 AGGATTATTG 1

RESULT 503
US-10-257-017B-70801
; Sequence 70801, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 70801
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018383
US-10-257-017B-70801

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      741 TGAGGATTAT 750
      |||||
Db      2 TGAGGATTAT 11

RESULT 504
US-10-257-017B-70802/c
; Sequence 70802, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 70802
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018383
US-10-257-017B-70802

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      743 AGGATTATTG 752
      |||||
Db      4 AGGATTATTG 13
```



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Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 741 TGAGGATTAT 750
Db 12 TGAGGATTAT 3

RESULT 505
US-10-257-017B-71773
; Sequence 71773, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71773
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018564
US-10-257-017B-71773

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 747 TTATTGATAA 756
Db 4 TTATTGATAA 13

RESULT 506
US-10-257-017B-71774/C
; Sequence 71774, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71774
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018564
US-10-257-017B-71774

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 747 TTATTGATAA 756
Db 10 TTATTGATAA 1

RESULT 507
US-10-257-017B-71941/C
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; Sequence 71941, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71941
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018598
US-10-257-017B-71941

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 702 GTACCCGAATT 713
Db 13 RTACCCGAATT 2

RESULT 508
US-10-257-017B-71942
; Sequence 71942, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71942
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018598
US-10-257-017B-71942

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 702 GTACCCGAATT 713
Db 1 RTACCCGAATT 12

RESULT 509
US-10-257-017B-73367
; Sequence 73367, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 73367
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018900
US-10-257-017B-73367

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      694 TGATTGCTGTAC 705
Db      2 TGATTGTTGAY 13

RESULT 510
US-10-257-017B-73368/c
; Sequence 73368, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 73368
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018900
US-10-257-017B-73368

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      694 TGATTGCTGTAC 705
Db      12 TGATTGTTGAY 1

RESULT 511
US-10-257-017B-74447/c
; Sequence 74447, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 74447
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019125
US-10-257-017B-74447

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      732 CTTTACCTT 741
Db      10 CTTTACCTT 1

RESULT 512
US-10-257-017B-74448
; Sequence 74448, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 74448
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019125
US-10-257-017B-74448

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      732 CTTTACCTT 741
Db      4 CTTTACCTT 13

RESULT 513
US-10-257-017B-85657/c
; Sequence 85657, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85657
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021528
US-10-257-017B-85657

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      704 ACCGAAATT 713
```

```
Db      11 ACCCGAAATT 2

RESULT 514
US-10-257-017B-85658
; Sequence 85658, Application US/10257017B
; GENERAL INFORMATION:
; FILE REFERENCE: E01/1193/WO
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85658
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021528
US-10-257-017B-85658

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred.No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      704 ACCCGAAATT 713
      |||||
Db      3 ACCCGAAATT 12

RESULT 515
US-10-257-017B-87215/c
; Sequence 87215, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 87215
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021923
US-10-257-017B-87215

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred.No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      703 TACCCGAAAT 712
      |||||
Db      12 TACCCGAAAT 3

RESULT 516
US-10-257-017B-87216
; Sequence 87216, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 87216
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021923
US-10-257-017B-87216

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred.No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      703 TACCCGAAAT 712
      |||||
Db      2 TACCCGAAAT 11

RESULT 517
US-10-257-017B-92687/c
; Sequence 92687, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 92687
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023176
US-10-257-017B-92687

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred.No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      703 TACCCGAAAT 712
      |||||
Db      12 TACCCGAAAT 3

RESULT 518
US-10-257-017B-92688
; Sequence 92688, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 92698
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023176
US-10-257-017B-92698

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 703 TACCCGAAT 712
Db 2 TACCCGAAT 11

RESULT 519
US-10-257-017B-98759
; Sequence 98759, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98759
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024547
US-10-257-017B-98759

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 753 ATAATATGGG 762
Db 1 ATAATATGGG 10

RESULT 520
US-10-257-017B-98760/c
; Sequence 98760, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98760
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024547
US-10-257-017B-98760

Query Match      8.3%; Score 10; DB 1; Length 13;
```

```
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 753 ATAATATGGG 762
Db 13 ATAATATGGG 4

RESULT 521
US-10-257-017B-100085
; Sequence 10085, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 100085
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024879
US-10-257-017B-100085

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TTGATAATAT 759
Db 1 TTGATAATAT 10

RESULT 522
US-10-257-017B-100086/c
; Sequence 10086, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 100086
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024879
US-10-257-017B-100086

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TTGATAATAT 759
Db 13 TTGATAATAT 4

RESULT 523
```

```
US-10-257-017B-101719
; Sequence 101719, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 101719
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025331
US-10-257-017B-101719

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      752 GATAATATGG 761
Db      1 GATAATATGG 10

RESULT 524
US-10-257-017B-101720/c
; Sequence 101720, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 101720
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025331
US-10-257-017B-101720

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      752 GATAATATGG 761
Db      13 GATAATATGG 4

RESULT 525
US-10-257-017B-107275
; Sequence 107275, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
```

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US-10-257-017B-107275
; Sequence 107275, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 107275
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026860
US-10-257-017B-107275

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGTTTACTTTGC 681
Db      2 GGTTTATTGTG 13

RESULT 526
US-10-257-017B-107276/c
; Sequence 107276, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 107276
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026860
US-10-257-017B-107276

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGTTTACTTTGC 681
Db      12 GGTTTATTGTG 1

RESULT 527
US-10-257-017B-109229
; Sequence 109229, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 109229
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

FEATURE:
US-10-257-017B-109229

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 753 ATAATATGGG 762

Db 4 ATAATATGGG 13

RESULT 528

US-10-257-017B-109230/c
; Sequence 109230, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 109230
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027331
US-10-257-017B-109230

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 753 ATAATATGGG 762

Db 10 ATAATATGGG 1

RESULT 529

US-10-257-017B-115349
; Sequence 115349, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115349
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115349

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 754 TAATATGGGT 763

Db 1 TAATATGGGT 10

RESULT 530

US-10-257-017B-115350/c
; Sequence 115350, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115350
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115350

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 754 TAATATGGGT 763

Db 13 TAATATGGGT 4

RESULT 531

US-10-257-017B-115903/c
; Sequence 115903, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115903
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029053
US-10-257-017B-115903

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 703 TACCGGAAT 712

Db 10 TACCGGAAT 1

RESULT 532

US-10-257-017B-115904
; Sequence 115904, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115904
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029053
US-10-257-017B-115904

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 703 TACCCGAAT 712
Db 4 TACCCGAAT 13

RESULT 533
US-10-257-017B-116937/c
; Sequence 116937, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 116937
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029270
US-10-257-017B-116937

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 702 GTACCCGAATT 713
Db 13 RTACCCGAATT 2

RESULT 534
US-10-257-017B-116938
; Sequence 116938, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 116938
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029270
US-10-257-017B-116938

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 702 GTACCCGAATT 713
Db 1 RTACCCGAATT 12

RESULT 535
US-10-257-017B-124637
; Sequence 124637, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 124637
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031166
US-10-257-017B-124637

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 748 TATTGATAAT 757
Db 4 TATTGATAAT 13

RESULT 536
US-10-257-017B-124638/c
; Sequence 124638, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 124638
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031166
US-10-257-017B-124638
```

```
Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 748 TATTGATAAT 757
DB 10 TATTGATAAT 1

RESULT 537
US-10-257-017B-129449/c
; Sequence 129449, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 129449
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032390
US-10-257-017B-129449

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 703 TACCCGAAT 712
DB 12 TACCCGAAT 3

RESULT 538
US-10-257-017B-129450
; Sequence 129450, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 129450
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032390
US-10-257-017B-129450

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 703 TACCCGAAT 712
DB 2 TACCCGAAT 11

RESULT 539
US-10-257-017B-131209/c
; Sequence 131209, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131209
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032737
US-10-257-017B-131209

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 730 ACCTTTACC 739
DB 10 ACCTTTACC 1

RESULT 540
US-10-257-017B-131210
; Sequence 131210, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131210
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032737
US-10-257-017B-131210

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 730 ACCTTTACC 739
DB 4 ACCTTTACC 13

RESULT 541
US-10-257-017B-138809
; Sequence 138809, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138809
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032737
US-10-257-017B-138809
```


; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138809
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034766
US-10-257-017B-138809

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 749 ATTGATAATA 758
| | | | | | | | | |
Db 3 ATTGATAATA 12

RESULT 542
US-10-257-017B-138810/c
; Sequence 138810, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138810
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034766
US-10-257-017B-138810

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 749 ATTGATAATA 758
| | | | | | | | | |
Db 11 ATTGATAATA 2

RESULT 543
US-10-257-017B-139017/c
; Sequence 139017, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 139017
; LENGTH: 13
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034821
US-10-257-017B-139017

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 702 GTACCCGAAATT 713
| | | | | | | | | |
Db 13 RTACCCGAAAT 2

RESULT 544
US-10-257-017B-139018
; Sequence 139018, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 139018
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034821
US-10-257-017B-139018

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 702 GTACCCGAAATT 713
| | | | | | | | | |
Db 1 RTACCCGAAAT 12

RESULT 545
US-10-257-017B-141239
; Sequence 141239, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 141239
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034805
US-10-257-017B-141239

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosin
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 141998
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035572
US-10-257-017B-141998

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      730 ACCTTTACC 739
Db      3 ACCTTTACC 12

RESULT 549
US-10-257-017B-142037
; Sequence 142037, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosin
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142037
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035577
US-10-257-017B-142037

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      754 TAATATGGGT 763
Db      1 TAATATGGGT 10

RESULT 550
US-10-257-017B-142038/c
; Sequence 142038, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosin
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142038
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035577
US-10-257-017B-142038

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 754 TAATATGGGT 763
Db 13 TAATATGGGT 4

RESULT 551
US-10-257-017B-143959
; Sequence 143959, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143959
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036155
US-10-257-017B-143959

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 754 TAATATGGGT 763
Db 1 TAATATGGGT 10

RESULT 552
US-10-257-017B-143960/c
; Sequence 143960, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143960
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036155
US-10-257-017B-143960

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 754 TAATATGGGT 763
Db 1 TAATATGGGT 10

RESULT 553
US-10-257-017B-146723
; Sequence 146723, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 146723
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037003
US-10-257-017B-146723

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATT 751
Db 2 TTGAGGATTATT 13

RESULT 554
US-10-257-017B-146724/c
; Sequence 146724, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 146724
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037003
US-10-257-017B-146724

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATT 751
Db 12 TTGAGGATTATT 1
```

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RESULT 555
US-10-257-017B-151101
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151101
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038152
US-10-257-017B-151101
```

```
Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      746 ATTATTGATA 755
Db      4 ATTATTGATA 13
```

```
RESULT 556
US-10-257-017B-151102/c
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151102
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038152
US-10-257-017B-151102
```

```
Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      746 ATTATTGATA 755
Db      10 ATTATTGATA 1
```

```
RESULT 557
US-10-257-017B-152029/c
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152029
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038414
US-10-257-017B-152029
```

```
Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      703 TACCCGAAAT 712
Db      12 TACCCGAAAT 3
```

```
RESULT 558
US-10-257-017B-152030
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152030
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038414
US-10-257-017B-152030
```

```
Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      703 TACCCGAAAT 712
Db      2 TACCCGAAAT 11
```

```
RESULT 559
US-10-257-017B-156249
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 156249
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039418
US-10-257-017B-156249

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 666 AGAGGGTTTA 675
Db 3 AGAGGGTTTA 12

RESULT 560
US-10-257-017B-156250/c
; Sequence 156250, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 156250
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039418
US-10-257-017B-156250

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 666 AGAGGGTTTA 675
Db 11 AGAGGGTTTA 2

RESULT 561
US-10-257-017B-161807
; Sequence 161807, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161807
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161807

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 746 ATTATTGTAAT 757
Db 2 ATTATTGTAAY 13

RESULT 562
US-10-257-017B-161808/c
; Sequence 161808, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161808
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161808

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGTAAT 757
Db 12 ATTATTGTAAY 1

RESULT 563
US-10-257-017B-184137
; Sequence 184137, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184137
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045464
US-10-257-017B-184137

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 745 GATTATTGAT 754
Db 1 GATTATTGAT 10

RESULT 564
US-10-257-017B-184138/c
; Sequence 184138, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184138
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045464
US-10-257-017B-184138

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 745 GATTATTGAT 754
   |||||
Db 13 GATTATTGAT 4

RESULT 565
US-10-257-017B-185709
; Sequence 185709, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 185709
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045766
US-10-257-017B-185709

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAAT 759
   |||||
Db 2 TATTGATAGTAY 13

RESULT 566
US-10-257-017B-185710/c
; Sequence 185710, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 185710
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045464
US-10-257-017B-185710
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 185710
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045766
US-10-257-017B-185710

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAAT 759
   |||||
Db 12 TATTGATAGTAY 1

RESULT 567
US-10-257-017B-197739
; Sequence 197739, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197739
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048662
US-10-257-017B-197739

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 TTATTGATAA 756
   |||||
Db 1 TTATTGATAA 10

RESULT 568
US-10-257-017B-197740/c
; Sequence 197740, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197740
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048662
US-10-257-017B-197740
```

US-10-257-017B-197740

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 TTATTGATAA 756

Db 13 TTATTGATAA 4

RESULT 569

US-10-257-017B-202719
; Sequence 202719, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 202719
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049811
US-10-257-017B-202719

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TTGATAATAT 759

Db 4 TTGATAATAT 13

RESULT 570

US-10-257-017B-202720/c
; Sequence 202720, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 202720
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049811
US-10-257-017B-202720

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TTGATAATAT 759

Db 10 TTGATAATAT 1

RESULT 571

US-10-257-017B-210515/c
; Sequence 210515, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 210515
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009168
US-10-257-017B-210515

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 703 TACCCGAAAT 712

Db 12 TACCCGAAAT 3

RESULT 572

US-10-257-017B-210516
; Sequence 210516, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 210516
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009168
US-10-257-017B-210516

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 703 TACCCGAAAT 712

Db 2 TACCCGAAAT 11

RESULT 573

US-10-257-017B-213667
; Sequence 213667, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213667
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052025
US-10-257-017B-213667

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      746 ATTATTGATA 755
Db      4 ATTATTGATA 13

RESULT 574
US-10-257-017B-213668/c
; Sequence 213668, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213668
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052025
US-10-257-017B-213668

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      746 ATTATTGATA 755
Db      10 ATTATTGATA 1

RESULT 575
US-10-257-017B-213721
; Sequence 213721, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213721
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001139
US-10-257-017B-213721

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      746 ATTATTGATA 755
Db      4 ATTATTGATA 13

RESULT 576
US-10-257-017B-213722/c
; Sequence 213722, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213722
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001139
US-10-257-017B-213722

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      746 ATTATTGATA 755
Db      10 ATTATTGATA 1

RESULT 577
US-10-257-017B-220711
; Sequence 220711, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220711
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053714
US-10-257-017B-220711

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
```


Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 742 GAGGATTATT 751
|||||
Db 4 GAGGATTATT 13

RESULT 578

US-10-257-017B-220712/c
; Sequence 220712, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220712
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053714
US-10-257-017B-220712

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 742 GAGGATTATT 751
|||||
Db 10 GAGGATTATT 1

RESULT 579

US-10-257-017B-223227
; Sequence 223227, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223227
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054363
US-10-257-017B-223227

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 741 TGAGGATTAT 750
|||||
Db 3 TGAGGATTAT 12

RESULT 580

US-10-257-017B-223228/c

; Sequence 223228, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223228
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054363
US-10-257-017B-223228

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 741 TGAGGATTAT 750
|||||
Db 11 TGAGGATTAT 2

RESULT 581

US-10-257-017B-227273
; Sequence 227273, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227273
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055439
US-10-257-017B-227273

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 666 AGAGGGTTTA 675
|||||
Db 2 AGAGGGTTTA 11

RESULT 582

US-10-257-017B-227274/c
; Sequence 227274, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227274
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055439
US-10-257-017B-227274

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 666 ACAGGGTTTA 575
Db 12 ACAGGGTTTA 3

RESULT 583
US-10-257-017B-227971
; Sequence 227971, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227971
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055600
US-10-257-017B-227971

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTA 749
Db 3 TTGAGGATTA 12

RESULT 584
US-10-257-017B-227972/c
; Sequence 227972, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227972
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055600
US-10-257-017B-227972

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTA 749
Db 11 TTGAGGATTA 2

RESULT 585
US-10-257-017B-229213
; Sequence 229213, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 229213
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055924
US-10-257-017B-229213

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 TTATTGATAA 756
Db 3 TTATTGATAA 12

RESULT 586
US-10-257-017B-229214/c
; Sequence 229214, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 229214
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055924
US-10-257-017B-229214

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 TTATTGATAA 756
Db 3 TTATTGATAA 12
```

Db 11 TTATTGATAA 2

RESULT 587
US-10-257-017B-235649
; Sequence 235649, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 235649
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057535
US-10-257-017B-235649

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 746 ATTATTGATA 755
|||||
Db 4 ATTATTGATA 13

RESULT 588
US-10-257-017B-235650/c
; Sequence 235650, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 235650
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057535
US-10-257-017B-235650

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 746 ATTATTGATA 755
|||||
Db 10 ATTATTGATA 1

RESULT 589
US-10-257-017B-238239
; Sequence 238239, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

```
; SEQ ID NO 240375
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058638
US-10-257-017B-240375

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      745 GATTATTGAT 754
Db      2 GATTATTGAT 11

RESULT 592
US-10-257-017B-240376/c
; Sequence 240376, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 240376
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058638
US-10-257-017B-240376

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      745 GATTATTGAT 754
Db      12 GATTATTGAT 3

RESULT 593
US-10-257-017B-246801/c
; Sequence 246801, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 246801
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060319
US-10-257-017B-246801

Query Match      8.3%; Score 10; DB 1; Length 13;
```

```
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      703 TACCCGAAAT 712
Db      12 TACCCGAAAT 3

RESULT 594
US-10-257-017B-246802
; Sequence 246802, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 246802
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060319
US-10-257-017B-246802

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      703 TACCCGAAAT 712
Db      2 TACCCGAAAT 11

RESULT 595
US-10-257-017B-248357
; Sequence 248357, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 248357
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060685
US-10-257-017B-248357

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      748 TATTGATAAT 757
Db      4 TATTGATAAT 13

RESULT 596
```

US-10-257-017B-248358/c
; Sequence 248358, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 248358

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060685

US-10-257-017B-248358

Query Match 8.3%; Score 10; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 6.7e+02;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 748 ATTATGATAAT 757

|||||

Db 10 TATTGATAAT 1

RESULT 597

US-10-257-017B-249137

; Sequence 249137, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 249137

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060860

US-10-257-017B-249137

Query Match 8.3%; Score 10; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 6.7e+02;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTA 749

|||||

Db 3 TTGAGGATTA 12

RESULT 598

US-10-257-017B-249138/c

; Sequence 249138, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 249138

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060860

US-10-257-017B-249138

Query Match 8.3%; Score 10; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 6.7e+02;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTA 749

|||||

Db 11 TTGAGGATTA 2

RESULT 599

US-10-257-017B-250867

; Sequence 250867, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 250867

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061236

US-10-257-017B-250867

Query Match 8.3%; Score 10; DB 1; Length 13;

Best Local Similarity 83.3%; Pred. No. 6.7e+02;

Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATGATAAT 757

|||||

Db 2 ATTATGATTAY 13

RESULT 600

US-10-257-017B-250868/c;

; Sequence 250868, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 250868

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061236
US-10-257-017B-250868

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 6.7e+02;
Matches 10; Conservative 1; Mismatches 0; Gaps 0;

QY 746 ATTATTGATAAT 757
|||||
Db 12 ATTATTGATTAY 1

RESULT 601
US-10-257-017B-251433/c
; Sequence 251433, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 251433
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061358
US-10-257-017B-251433

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 730 ACCTTTTACC 739
|||||
Db 11 ACCTTTTACC 2

RESULT 602
US-10-257-017B-251434
; Sequence 251434, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 251434
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061358
US-10-257-017B-251434

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 730 ACCTTTTACC 739

Db 3 ACCTTTTACC 12
|||||

RESULT 603
US-10-257-017B-253099
; Sequence 253099, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 253099
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061720
US-10-257-017B-253099

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 745 GATTATTGAT 754
|||||
Db 1 GATTATTGAT 10

RESULT 604
US-10-257-017B-253100/c
; Sequence 253100, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 253100
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061720
US-10-257-017B-253100

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 745 GATTATTGAT 754
|||||
Db 13 GATTATTGAT 4

RESULT 605
US-10-257-017B-256611
; Sequence 256611, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256611
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062501
US-10-257-017B-256611

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 750 TTGATAATAT 759
Db 2 TTGATAATAT 11

RESULT 606
US-10-257-017B-256612/c
; Sequence 256612, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256612
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062501
US-10-257-017B-256612

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 750 TTGATAATAT 759
Db 12 TTGATAATAT 3

RESULT 607
US-10-257-017B-258985
; Sequence 258985, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258986
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007067
US-10-257-017B-258985

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 746 ATTATTGATA 755
Db 1 ATTATTGATA 10

RESULT 608
US-10-257-017B-258986/c
; Sequence 258986, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258986
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007067
US-10-257-017B-258986

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 746 ATTATTGATA 755
Db 13 ATTATTGATA 4

RESULT 609
US-10-257-017B-261477
; Sequence 261477, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 261477
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063458
US-10-257-017B-261477
```

```
Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTA 749
DB 4 TTAGGAGATTA 13

RESULT 610
US-10-257-017B-261478/c
; Sequence 261478, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 261478
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063458
US-10-257-017B-261478

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 TTGAGGATTA 749
DB 10 TTAGGAGATTA 1

RESULT 611
US-10-257-017B-262387
; Sequence 262387, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262387
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063653
US-10-257-017B-262387

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 753 ATAATATGGG 762
DB 4 ATAATATGGG 13
```

```
RESULT 612
US-10-257-017B-262388/c
; Sequence 262388, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262388
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063653
US-10-257-017B-262388

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 753 ATAATATGGG 762
DB 10 ATAATATGGG 1

RESULT 613
US-10-708-951-29251/c
; Sequence 29251, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29251
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-29251

Query Match      8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 655 CAGCTTTGGA 664
DB 11 CAGCTTTGGA 2

RESULT 614
US-10-708-951-41701/c
; Sequence 41701, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 41701
; LENGTH: 13
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! TYPE: RNA
! ORGANISM: Homo sapiens
US-10-708-951-41701

Query Match 8.3%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 655 CAGCTTTTGA 664
|||||
Db 11 CAGCTTTTGA 2

RESULT 615
PCT-US04-04914-47/c
; Sequence 47, Application PC/TUS0404914
; GENERAL INFORMATION:
; APPLICANT: University of Rochester
; APPLICANT: Kyrkanides, Stephanos
; APPLICANT: Tallents, Ross H.
; TITLE OF INVENTION: Treatment of Pain Through Expression of
; TITLE OF INVENTION: Opioid Receptors
; FILE REFERENCE: 21108.0022P1
; CURRENT APPLICATION NUMBER: PCT/US04/04914
; PRIOR FILING DATE: 2004-02-25
; PRIOR APPLICATION NUMBER: 60/448,663
; PRIOR FILING DATE: 2003-02-19
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:/note =
; OTHER INFORMATION: synthetic construct
PCT-US04-04914-47

Query Match 8.3%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 7.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 694 TGATTCCTCT 703
|||||
Db 13 TGATTCCTCT 4

RESULT 616
US-10-257-017B-525
; Sequence 525, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 525
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000109
US-10-257-017B-525

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
|||||
Db 1 AGGATTATTGATA 13

RESULT 617
US-10-257-017B-526/c
; Sequence 526, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 526
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000109
US-10-257-017B-526

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
|||||
Db 13 AGGATTATTGATA 1

RESULT 618
US-10-257-017B-2319/c
; Sequence 2319, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2319
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000934
US-10-257-017B-2319

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
|||||
Db 13 ATTATTGATAACA 1

RESULT 619
US-10-257-017B-2320
; Sequence 2320, Application US/10257017B

```
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ TITLE OF INVENTION: methylations
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 2320
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000934
US-10-257-017B-2320

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTCATAATA 758
|||||
Db 1 ATTATTCATAACA 13

RESULT 620
US-10-257-017B-2321/c
/ Sequence 2321, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ TITLE OF INVENTION: methylations
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 2321
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000934
US-10-257-017B-2321

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTCATAATA 758
|||||
Db 13 ATTATTCATAACA 1

RESULT 621
US-10-257-017B-2322
/ Sequence 2322, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ TITLE OF INVENTION: methylations
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
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/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 2322
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000934
US-10-257-017B-2322

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTCATAATA 758
|||||
Db 1 ATTATTCATAACA 13

RESULT 622
US-10-257-017B-5725
/ Sequence 5725, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ TITLE OF INVENTION: methylations
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 5725
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001868
US-10-257-017B-5725

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 741 TCAGCATTTATGA 753
|||||
Db 1 TGAATTTATTTGA 13

RESULT 623
US-10-257-017B-5726/c
/ Sequence 5726, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ TITLE OF INVENTION: methylations
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 5726
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001868
```

US-10-257-017B-5726

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 741 TGAGGATTATTGA 753
DB 13 TGAATAATTATTGA 1

RESULT 624

US-10-257-017B-9401
; Sequence 9401, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9401
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002483
US-10-257-017B-9401

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
DB 1 TTATAAATAATAT 13

RESULT 625

US-10-257-017B-9402/c
; Sequence 9402, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9402
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002483
US-10-257-017B-9402

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
DB 13 TTATAAATAATAT 1

US-10-257-017B-5726

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 741 TGAGGATTATTGA 753
DB 13 TGAATAATTATTGA 1

RESULT 624

US-10-257-017B-9401
; Sequence 9401, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9401
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002483
US-10-257-017B-9401

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
DB 1 TTATAAATAATAT 13

RESULT 625

US-10-257-017B-9402/c
; Sequence 9402, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9402
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002483
US-10-257-017B-9402

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
DB 13 TTATAAATAATAT 1

US-10-257-017B-5726

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 741 TGAGGATTATTGA 753
DB 13 TGAATAATTATTGA 1

RESULT 624

US-10-257-017B-9401
; Sequence 9401, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9401
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002483
US-10-257-017B-9401

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
DB 1 TTATAAATAATAT 13

RESULT 625

US-10-257-017B-9402/c
; Sequence 9402, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9402
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002483
US-10-257-017B-9402

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
DB 13 TTATAAATAATAT 1

RESULT 626

US-10-257-017B-9769
; Sequence 9769, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9769
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002542
US-10-257-017B-9769

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
DB 1 ATTATTGAAAAGA 13

RESULT 627

US-10-257-017B-9770/c
; Sequence 9770, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9770
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002542
US-10-257-017B-9770

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
DB 13 ATTATTGAAAAGA 1

RESULT 628

US-10-257-017B-16417
; Sequence 16417, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16417
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003581
US-10-257-017B-16417

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 661 TGGACAGAGGGTT 673
Db 1 TGTAGAGAGGGTT 13

RESULT 629
US-10-257-017B-16418/c
; Sequence 16418, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16418
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003581
US-10-257-017B-16418

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 661 TGGACAGAGGGTT 673
Db 13 TGTAGAGAGGGTT 1

RESULT 630
US-10-257-017B-22221
; Sequence 22221, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22221
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004407
US-10-257-017B-22221

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TTATTGATAATTT 13

RESULT 631
US-10-257-017B-22222/c
; Sequence 22222, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22222
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004407
US-10-257-017B-22222

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTATTGATAATTT 1

RESULT 632
US-10-257-017B-22445
; Sequence 22445, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22445
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004440
US-10-257-017B-22445

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
```

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 735 TTACCTTGAGGAT 747
|||||
Db 1 TTACGTTGAGAA 13

RESULT 633

US-10-257-017B-22446/c
; Sequence 22446, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22446
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004440
US-10-257-017B-22446

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 735 TTACCTTGAGGAT 747
|||||
Db 13 TTACGTTGAGAA 1

RESULT 634

US-10-257-017B-25695
; Sequence 25695, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 25695
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006441
US-10-257-017B-25695

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 759
|||||
Db 1 TTAATGGTAATAT 13

RESULT 635

US-10-257-017B-25696/c

; Sequence 25696, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 25696
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006441
US-10-257-017B-25696

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 759
|||||
Db 13 TTAATGGTAATAT 1

RESULT 636

US-10-257-017B-25697
; Sequence 25697, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 25697
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006441
US-10-257-017B-25697

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 759
|||||
Db 1 TTAACGATAATAT 13

RESULT 637

US-10-257-017B-25698/c
; Sequence 25698, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 25698
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006441
US-10-257-017B-25698

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 25698
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006441
US-10-257-017B-25698

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
DB 13 TTACGATAATAT 1

RESULT 638
US-10-257-017B-26241
/ Sequence 26241, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 26241
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006865
US-10-257-017B-26241

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 687 AAGATACTGATTG 699
DB 1 AAGATACGGAGTG 13

RESULT 639
US-10-257-017B-26242/c
/ Sequence 26242, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 26242
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
```

```
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006865
US-10-257-017B-26242

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 687 AAGATACTGATTG 699
DB 13 AAGATACGGAGTG 1

RESULT 640
US-10-257-017B-27275/c
/ Sequence 27275, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 27275
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007464
US-10-257-017B-27275

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCT 740
DB 13 AAACCTTTTACTT 1

RESULT 641
US-10-257-017B-27276
/ Sequence 27276, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 27276
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007464
US-10-257-017B-27276

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 728 AGACCTTTTACCT 740
DB 13 AAACCTTTTACTT 1
```

Db 1 AAACCTTTTACTT 13

RESULT 642

US-10-257-017B-30399
; Sequence 30399, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 30399

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009273

US-10-257-017B-30399

Query Match 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 690 ATACTGATTGCTG 702

Db 1 ATATTGATTGATG 13

RESULT 643

US-10-257-017B-30400/c

; Sequence 30400, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 30400

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009273

US-10-257-017B-30400

Query Match 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 690 ATACTGATTGCTG 702

Db 13 ATATTGATTGATG 1

RESULT 644

US-10-257-017B-35023

; Sequence 35023, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 35023

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011121

US-10-257-017B-35023

Query Match 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 725 TCTAGACCTTTTA 737

Db 1 TGTAGACGTTTTA 13

RESULT 645

US-10-257-017B-35024/c

; Sequence 35024, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 35024

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011121

US-10-257-017B-35024

Query Match 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 725 TCTAGACCTTTTA 737

Db 13 TGTAGACGTTTTA 1

RESULT 646

US-10-257-017B-35267

; Sequence 35267, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

```
; SEQ ID NO 35267
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011177
US-10-257-017B-35267

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTCATTAATA 758
    |||||
Db 1 ATTATTCATTAATA 13

RESULT 647
US-10-257-017B-35268/c
; Sequence 35268, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 35268
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011177
US-10-257-017B-35268

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTCATTAATA 758
    |||||
Db 13 ATTATTCATTAATA 1

RESULT 648
US-10-257-017B-36583/c
; Sequence 36583, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36583
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011470
US-10-257-017B-36583

Query Match      8.1%; Score 9.8; DB 1; Length 13;
```

```
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
    |||||
Db 13 TTATTGATAATAT 1

RESULT 649
US-10-257-017B-36584
; Sequence 36584, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36584
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011470
US-10-257-017B-36584

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
    |||||
Db 1 TTATTGATAATAT 13

RESULT 650
US-10-257-017B-36837
; Sequence 36837, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36837
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011528
US-10-257-017B-36837

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 741 TGAGGATTATGA 753
    |||||
Db 1 TGAGGAGGATTGA 13

RESULT 651
```



```
US-10-257-017B-36838/c
; Sequence 36838, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36838
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011528
US-10-257-017B-36838

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      741 TGAGGATTATGGA 753
      |||||
Db      13 TGAGGAGGATTGA 1

RESULT 652
US-10-257-017B-39559
; Sequence 39559, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 39559
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012091
US-10-257-017B-39559

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      747 TTATTGATAATAT 759
      |||||
Db      1 TTATTATATTAT 13

RESULT 653
US-10-257-017B-39560/c
; Sequence 39560, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 39560
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012091
US-10-257-017B-39560

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      747 TTATTGATAATAT 759
      |||||
Db      13 TTATTATATTAT 1

RESULT 654
US-10-257-017B-40065
; Sequence 40065, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40065
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012194
US-10-257-017B-40065

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      743 AGGATTATTGATA 755
      |||||
Db      1 AGGTTAATTGATA 13

RESULT 655
US-10-257-017B-40066/c
; Sequence 40066, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40066
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012194
US-10-257-017B-40066

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      743 AGGATTATTGATA 755
Db      13 AGGTTAATTGATA 1

RESULT 656
US-10-257-017B-40459
; Sequence 40459, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40459
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012267
US-10-257-017B-40459

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      1 ATTATTGGGAATA 13

RESULT 657
US-10-257-017B-40460/C
; Sequence 40460, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40460
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012267
US-10-257-017B-40460

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      1 ATTATTGGGAATA 13
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012194
US-10-257-017B-40066

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      743 AGGATTATTGATA 755
Db      13 AGGTTAATTGATA 1

RESULT 658
US-10-257-017B-41435
; Sequence 41435, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41435
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012444
US-10-257-017B-41435

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      743 AGGATTATTGATA 755
Db      1 ATGATTATTGAAA 13

RESULT 659
US-10-257-017B-41436/C
; Sequence 41436, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41436
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012444
US-10-257-017B-41436

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      743 AGGATTATTGATA 755
Db      13 ATGATTATTGAAA 1

RESULT 660
US-10-257-017B-41483
; Sequence 41483, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41483
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012460
US-10-257-017B-41483

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      746 ATTATTGATAATA 758
      |||||
Db      1 ATTATTGATAATA 13

RESULT 661
US-10-257-017B-41484/c
; Sequence 41484, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41484
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012460
US-10-257-017B-41484

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      746 ATTATTGATAATA 758
      |||||
Db      13 ATTATTGATAATA 1

RESULT 662
US-10-257-017B-42703
; Sequence 42703, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 42703
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012710
US-10-257-017B-42703

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      733 TTTTACCTTGAGG 745
      |||||
Db      1 TTTTACCTTGAGG 13

RESULT 663
US-10-257-017B-42704/c
; Sequence 42704, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 42704
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012710
US-10-257-017B-42704

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      733 TTTTACCTTGAGG 745
      |||||
Db      13 TTTTACCTTGAGG 1

RESULT 664
US-10-257-017B-45295
; Sequence 45295, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 45295
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013216
US-10-257-017B-45295
```

```
Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
   |||||
Db 1 TTATAGATAATTT 13

RESULT 665
US-10-257-017B-45296/c
; Sequence 45296, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 45296
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013253
US-10-257-017B-45296

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
   |||||
Db 13 TTATAGATAATTT 1

RESULT 666
US-10-257-017B-45493
; Sequence 45493, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 45493
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013253
US-10-257-017B-45493

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
   |||||
Db 1 ATTTTGTTAATA 13
```

```
RESULT 667
US-10-257-017B-45494/c
; Sequence 45494, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 45494
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013253
US-10-257-017B-45494

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
   |||||
Db 13 ATTTTGTTAATA 1

RESULT 668
US-10-257-017B-45667
; Sequence 45667, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 45667
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013276
US-10-257-017B-45667

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
   |||||
Db 1 TTATTGTAAATTT 13

RESULT 669
US-10-257-017B-45668/c
; Sequence 45668, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 45668
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013276
US-10-257-017B-45668
```

; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 45668
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013276
US-10-257-017B-45668

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGTAATAT 759
Db 13 TTATTGTAATTT 1

RESULT 670
US-10-257-017B-46383/c
; Sequence 46383, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46383
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013408
US-10-257-017B-46383

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 722 CCATCTAGACCTT 734
Db 13 CCATCAAAACCTT 1

RESULT 671
US-10-257-017B-46384
; Sequence 46384, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46384
; LENGTH: 13
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013408
US-10-257-017B-46384

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 722 CCATCTAGACCTT 734
Db 1 CCATCAAAACCTT 13

RESULT 672
US-10-257-017B-46387/c
; Sequence 46387, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46387
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013408
US-10-257-017B-46387

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 722 CCATCTAGACCTT 734
Db 13 CCATCAAAACCTT 1

RESULT 673
US-10-257-017B-46388
; Sequence 46388, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46388
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013408
US-10-257-017B-46388

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 722 CCATCTAGACCTT 734
|||||
Db 1 CCATCGAACCTT 13

RESULT 674
US-10-257-017B-52891
; Sequence 52891, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 52891
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014632
US-10-257-017B-52891

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTCGATAATAT 759
|||||
Db 1 TTTTAAATAATAT 13

RESULT 675
US-10-257-017B-52892/c
; Sequence 52892, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 52892
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014632
US-10-257-017B-52892

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTCGATAATAT 759
|||||
Db 13 TTTTAAATAATAT 1

RESULT 676
US-10-257-017B-53633
; Sequence 53633, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53633
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014792
US-10-257-017B-53633

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 740 TTGAGGATTATTG 752
|||||
Db 1 TTGAGGATTATTG 13

RESULT 677
US-10-257-017B-53634/c
; Sequence 53634, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53634
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014792
US-10-257-017B-53634

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 740 TTGAGGATTATTG 752
|||||
Db 13 TTGAGGATTATTG 1

RESULT 678
US-10-257-017B-59229
; Sequence 59229, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59229
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015869
US-10-257-017B-59229

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAAAT 759
Db 1 TTATTGATTTAT 13

RESULT 679
US-10-257-017B-59230/c
; Sequence 59230, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59230
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015869
US-10-257-017B-59230

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAAAT 759
Db 1 TTATTGATTTAT 13

RESULT 680
US-10-257-017B-59785
; Sequence 59785, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59785
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015993
US-10-257-017B-59785
```

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Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 745 GATTATTGATAAT 757
Db 1 GGTATTATTGTAAT 13

RESULT 681
US-10-257-017B-59786/c
; Sequence 59786, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59786
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015993
US-10-257-017B-59786

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 745 GATTATTGATAAT 757
Db 13 GGTATTATTGTAAT 1

RESULT 682
US-10-257-017B-60261
; Sequence 60261, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60261
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016098
US-10-257-017B-60261

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATTC 752
Db 1 TTAAGGATTAGTG 13
```

```
RESULT 683
US-10-257-017B-60262/c
; Sequence 60262, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60262
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016098
US-10-257-017B-60262

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 740 TTGAGGATTATTG 752
Db 13 TTAGGATTAGTG 1

RESULT 684
US-10-257-017B-60317
; Sequence 60317, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60317
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016107
US-10-257-017B-60317

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 667 GAGGTTTACTTT 679
Db 1 GAGGTTTACTTT 13

RESULT 685
US-10-257-017B-60318/c
; Sequence 60318, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60318
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016107
US-10-257-017B-60318

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 667 GAGGTTTACTTT 679
Db 13 GAGGTTTACTTT 1

RESULT 686
US-10-257-017B-60423
; Sequence 60423, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60423
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016133
US-10-257-017B-60423

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 668 AGGTTTACTTTG 680
Db 1 AGGTTTGGTTTG 13

RESULT 687
US-10-257-017B-60424/c
; Sequence 60424, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60424
; LENGTH: 13
```



```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016133
US-10-257-017B-60424

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 668 AGGTTTACTTTG 680
Db 13 AGGTTTGGTTTG 1

RESULT 688
US-10-257-017B-61571
; Sequence 61571, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 61571
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016386
US-10-257-017B-61571

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 748 TATTGATATATG 760
Db 1 TATTGATGATTTG 13

RESULT 689
US-10-257-017B-61572/C
; Sequence 61572, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 61572
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016386
US-10-257-017B-61572

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 748 TATTGATATATG 760
Db 13 TATTGATGATTTG 1

RESULT 690
US-10-257-017B-61675/C
; Sequence 61675, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 61675
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016401
US-10-257-017B-61675

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 703 TACCCGAAATTGC 715
Db 13 TTCCCGAAATTAC 1

RESULT 691
US-10-257-017B-61676
; Sequence 61676, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 61676
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016401
US-10-257-017B-61676

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 703 TACCCGAAATTGC 715
Db 1 TTCCCGAAATTAC 13

RESULT 692
US-10-257-017B-63107
; Sequence 63107, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 63107
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016681
US-10-257-017B-63107

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      1 ATTATTGAGATA 13

RESULT 693
US-10-257-017B-63108/c
; Sequence 63108, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 63108
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016681
US-10-257-017B-63108

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      13 ATTATTGAGATA 1

RESULT 694
US-10-257-017B-66321/c
; Sequence 66321, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66321
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017422
US-10-257-017B-66321
```

```
Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      726 CTAGACCTTTTAC 738
Db      13 CTAACATTTTAC 1
```

```
RESULT 695
US-10-257-017B-66322
; Sequence 66322, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66322
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017422
US-10-257-017B-66322
```

```
Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      726 CTAGACCTTTTAC 738
Db      1 CTAACATTTTAC 13
```

```
RESULT 696
US-10-257-017B-66323/c
; Sequence 66323, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66323
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017422
```

US-10-257-017B-66323

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
DB 13 CTAACCGTTTAC 1

RESULT 697

US-10-257-017B-66324
; Sequence 66324, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66324
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017422
US-10-257-017B-66324

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
DB 1 CTAACCGTTTAC 13

RESULT 698

US-10-257-017B-67849
; Sequence 67849, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67849
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017714
US-10-257-017B-67849

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
DB 1 ATTAGTGATAGTA 13

RESULT 699

US-10-257-017B-67850/c
; Sequence 67850, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67850
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017714
US-10-257-017B-67850

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
DB 13 ATTAGTGATAGTA 1

RESULT 700

US-10-257-017B-70987
; Sequence 70987, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 70987
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018413
US-10-257-017B-70987

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTATTGATA 755
DB 1 AGGATTATTGATA 13

RESULT 701

US-10-257-017B-70988/c
; Sequence 70988, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 70988
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018413
US-10-257-017B-70988

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTATTGATA 755
Db 13 AGGAATATGGATA 1

RESULT 702
US-10-257-017B-71381
; Sequence 71381, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71381
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018492
US-10-257-017B-71381

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 708 GAAATTGCTGTGG 720
Db 1 GAAGTTGTTGTGG 13

RESULT 703
US-10-257-017B-71382/c
; Sequence 71382, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71382
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018492
US-10-257-017B-71382

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 708 GAAATTGCTGTGG 720
Db 13 GAAGTTGTTGTGG 1

RESULT 704
US-10-257-017B-72505
; Sequence 72505, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 72505
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018735
US-10-257-017B-72505

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TTATTGTTATTAT 13

RESULT 705
US-10-257-017B-72506/c
; Sequence 72506, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 72506
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018735
US-10-257-017B-72506

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
```

```
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 747 TTATTGATAATAT 759
Db 13 TTATTGTTATTAT 1

RESULT 706
US-10-257-017B-72507
; Sequence 72507, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 72507
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018735
US-10-257-017B-72507

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 747 TTATTGATAATAT 759
Db 1 TTATTGTTATTAT 13

RESULT 707
US-10-257-017B-72508/c
; Sequence 72508, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 72508
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018735
US-10-257-017B-72508

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 747 TTATTGATAATAT 759
Db 13 TTATTGTTATTAT 1

RESULT 708
US-10-257-017B-72509/c
; Sequence 72509, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 72509
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018735
US-10-257-017B-72509
```

```
Sequence 72509, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 72509
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018735
US-10-257-017B-72509

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 747 TTATTGATAATAT 759
Db 13 TTATTGTTATTAT 1

RESULT 709
US-10-257-017B-72510
; Sequence 72510, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 72510
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018735
US-10-257-017B-72510

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 747 TTATTGATAATAT 759
Db 1 TTATTGTTATTAT 13

RESULT 710
US-10-257-017B-75191
; Sequence 75191, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75191
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019300
US-10-257-017B-75191

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAA 766
Db 1 TAATATGGGTGAA 13

RESULT 711
US-10-257-017B-75192/c
; Sequence 75192, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75192
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019300
US-10-257-017B-75192

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAA 766
Db 1 TAATATGGGTGAA 13

RESULT 712
US-10-257-017B-75193
; Sequence 75193, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75193
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019300
US-10-257-017B-75193

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAA 766
Db 13 TAATATGGGTGAA 1

RESULT 713
US-10-257-017B-75194/c
; Sequence 75194, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75194
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019300
US-10-257-017B-75194

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAA 766
Db 13 TAATATGGGTGAA 1

RESULT 714
US-10-257-017B-76665
; Sequence 76665, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 76665
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019596
US-10-257-017B-76665

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATGATAATAT 759
Db 13 TTATGATAATAT 13
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019300
US-10-257-017B-75193

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAA 766
Db 1 TAATATGGGTGAA 13

RESULT 713
US-10-257-017B-75194/c
; Sequence 75194, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75194
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019300
US-10-257-017B-75194

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAA 766
Db 13 TAATATGGGTGAA 1

RESULT 714
US-10-257-017B-76665
; Sequence 76665, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 76665
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019596
US-10-257-017B-76665

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATGATAATAT 759
Db 13 TTATGATAATAT 13
```

```
Db      1 TTATTATTATAT 13

RESULT 715
US-10-257-017B-76666/c
; Sequence 76666, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 76666
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019596
US-10-257-017B-76666

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      747 TTATTGATAATAT 759
Db      13 TTATTATTATAT 1

RESULT 716
US-10-257-017B-76911
; Sequence 76911, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 76911
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019643
US-10-257-017B-76911

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      741 TGAGGATTATTGA 753
Db      1 TAAAGATTATTGA 13

RESULT 717
US-10-257-017B-76912/c
; Sequence 76912, Appl
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 76912
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019643
US-10-257-017B-76912
```

```
Db      1 TTATTATTATAT 13

RESULT 715
US-10-257-017B-76666/c
; Sequence 76666, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 76912
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019643
US-10-257-017B-76912

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      741 TGAGGATTATTGA 753
Db      13 TAAAGATTATTGA 1

RESULT 716
US-10-257-017B-77179
; Sequence 77179, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 77179
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019677
US-10-257-017B-77179

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      662 GGACAGAGGGGTTT 674
Db      1 GGATAGAGGGGTTT 13

RESULT 719
US-10-257-017B-77180/c
; Sequence 77180, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 77180
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019643
US-10-257-017B-77180
```

```
; SEQ ID NO 77180
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019677
US-10-257-017B-77180

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 662 GGACAGAGGGGTTT 674
   |||||
Db 13 GGATAGAGGGGTT 1

RESULT 720
US-10-257-017B-77735
; Sequence 77735, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 77735
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019794
US-10-257-017B-77735

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
   |||||
Db 1 GATTATTGATGAT 13

RESULT 721
US-10-257-017B-77736/c
; Sequence 77736, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 77736
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019794
US-10-257-017B-77736

Query Match      8.1%; Score 9.8; DB 1; Length 13;
```

```
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
   |||||
Db 13 GATTATTGATGAT 1

RESULT 722
US-10-257-017B-79101
; Sequence 79101, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 79101
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020121
US-10-257-017B-79101

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
   |||||
Db 1 TGATTGATAAGAT 13

RESULT 723
US-10-257-017B-79102/c
; Sequence 79102, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 79102
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020121
US-10-257-017B-79102

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
   |||||
Db 13 TGATTGATAAGAT 1

RESULT 724
```



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US-10-257-017B-80329
; Sequence 80329, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80329
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020386
US-10-257-017B-80329

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 733 TTTTACCTTGAGG 745
Db 1 TTGTACGTTGAGG 13

RESULT 725
US-10-257-017B-80330/c
; Sequence 80330, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80330
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020386
US-10-257-017B-80330

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 733 TTTTACCTTGAGG 745
Db 13 TTGTACGTTGAGG 1

RESULT 726
US-10-257-017B-81843
; Sequence 81843, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81843
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020690
US-10-257-017B-81843

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 753 ATAATATGGGTCA 765
Db 1 ATAATAGGGGTGA 13

RESULT 727
US-10-257-017B-81844/c
; Sequence 81844, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81844
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020690
US-10-257-017B-81844

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 753 ATAATATGGGTCA 765
Db 13 ATAATAGGGGTGA 1

RESULT 728
US-10-257-017B-82015
; Sequence 82015, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82015
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020737
US-10-257-017B-82015

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
|||||
Db 1 TTATTGATAATTT 13

RESULT 729
US-10-257-017B-82016/c
; Sequence 82016, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82016
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020737
US-10-257-017B-82016

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
|||||
Db 13 TTATTGATAATTT 1

RESULT 730
US-10-257-017B-82225
; Sequence 82225, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82225
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020773
US-10-257-017B-82225

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTATTGATA 755

Db 1 AGGAGTATTATA 13
|||||

RESULT 731
US-10-257-017B-82226/c
; Sequence 82226, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82226
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020773
US-10-257-017B-82226

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTATTGATA 755
|||||
Db 13 AGGAGTATTATA 1

RESULT 732
US-10-257-017B-84031
; Sequence 84031, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 84031
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021140
US-10-257-017B-84031

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
|||||
Db 1 AATTTCGATAATA 13

RESULT 733
US-10-257-017B-84032/c
; Sequence 84032, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 84032
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021140
US-10-257-017B-84032

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
DB      13 AATTTTGATAATA 1

RESULT 734
US-10-257-017B-85813
; Sequence 5813, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85813
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021558
US-10-257-017B-85813

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      749 ATTGATAATATGG 761
DB      1 ATAGATAATATGG 13

RESULT 735
US-10-257-017B-85814/c
; Sequence 85814, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85814
```

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; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85814
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021558
US-10-257-017B-85814

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      749 ATTGATAATATGG 761
DB      13 ATAGATAATATGG 1

RESULT 736
US-10-257-017B-86453
; Sequence 86453, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86453
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021710
US-10-257-017B-86453

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      750 TTGATAATATGGG 762
DB      1 TTTTAAATATGGG 13

RESULT 737
US-10-257-017B-86454/c
; Sequence 86454, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86454
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021710
US-10-257-017B-86454
```

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Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 750 TTGATAATATGGG 762
   |||||||
Db 13 TTTTAAATATGGG 1

RESULT 738
US-10-257-017B-86981
; Sequence 86981, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86981
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021857
US-10-257-017B-86981

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTATTGATA 755
   |||||||
Db 1 AGTATTATTGGTA 13

RESULT 739
US-10-257-017B-86982/c
; Sequence 86982, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86982
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021857
US-10-257-017B-86982

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTATTGATA 755
   |||||||
Db 13 AGTATTATTGGTA 1
```

```
RESULT 740
US-10-257-017B-87343
; Sequence 87343, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 87343
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021970
US-10-257-017B-87343

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 744 GGATTATTGATAA 756
   |||||||
Db 1 GGATTATTGATTA 13

RESULT 741
US-10-257-017B-87344/c
; Sequence 87344, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 87344
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021970
US-10-257-017B-87344

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 744 GGATTATTGATAA 756
   |||||||
Db 13 GGATTATTGATTA 1

RESULT 742
US-10-257-017B-88741
; Sequence 88741, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 88741
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021970
US-10-257-017B-88741
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 88741
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022299
US-10-257-017B-88741

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      1 ATTTTGAATAA 13

RESULT 743
US-10-257-017B-88742/c
; Sequence 88742, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 88742
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022299
US-10-257-017B-88742

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      13 ATTTTGAATAA 1

RESULT 744
US-10-257-017B-92137
; Sequence 92137, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 92137
; LENGTH: 13
; TYPE: DNA
```

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023045
US-10-257-017B-92137

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      662 GGACAGAGGTTT 674
Db      1 GGATAGAGGTTT 13

RESULT 745
US-10-257-017B-92138/c
; Sequence 92138, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 92138
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023045
US-10-257-017B-92138

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      662 GGACAGAGGTTT 674
Db      13 GGATAGAGGTTT 1

RESULT 746
US-10-257-017B-93175
; Sequence 93175, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 93175
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023285
US-10-257-017B-93175

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 747 TTATGATAATAT 759
||| ||| ||| |||
Db 1 TTAGTATATAT 13

RESULT 747
US-10-257-017B-93176/c
; Sequence 93176, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 93176
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023285
US-10-257-017B-93176

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATGATAATAT 759
||| ||| ||| |||
Db 13 TTAGTATATAT 1

RESULT 748
US-10-257-017B-96939
; Sequence 96939, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 96939
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024052
US-10-257-017B-96939

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 678 TTGACGCGAAGA 690
||| ||| ||| |||
Db 1 TTGTAGCGATGA 13

RESULT 749
US-10-257-017B-96940/c
; Sequence 96940, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 96940
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024052
US-10-257-017B-96940
```

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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 96940
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024052
US-10-257-017B-96940

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 678 TTGACGCGAAGA 690
||| ||| ||| |||
Db 13 TTGTAGCGATGA 1

RESULT 750
US-10-257-017B-97599
; Sequence 97599, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97599
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024243
US-10-257-017B-97599

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATGATAATAT 759
||| ||| ||| |||
Db 1 TTATGATAATAT 13

RESULT 751
US-10-257-017B-97600/c
; Sequence 97600, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97600
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024243
US-10-257-017B-97600
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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97600
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024243
US-10-257-017B-97600

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATAT 759
Db 13 TTATTGATAATAT 1

RESULT 752
US-10-257-017B-98203/c
; Sequence 98203, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98203
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024387
US-10-257-017B-98203

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 700 CTGTACCCGAAAT 712
Db 13 CTTTACCCTAAAT 1

RESULT 753
US-10-257-017B-98204
; Sequence 98204, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98204
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024387
US-10-257-017B-98204
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Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 700 CTGTACCCGAAAT 712
Db 1 CTTTACCCTAAAT 13

RESULT 754
US-10-257-017B-102035
; Sequence 102035, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 102035
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025418
US-10-257-017B-102035

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 1 ATTATTGAGATTA 13

RESULT 755
US-10-257-017B-102036/c
; Sequence 102036, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 102036
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025418
US-10-257-017B-102036

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 13 ATTATTGAGATTA 1
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RESULT 756
US-10-257-017B-102187
; Sequence 102187, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 102187
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025459
US-10-257-017B-102187

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TTATTGTTATAT 13

RESULT 757
US-10-257-017B-102188/c
; Sequence 102188, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 102188
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025459
US-10-257-017B-102188

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTATTGTTATAT 1

RESULT 758
US-10-257-017B-102189
; Sequence 102189, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 102189
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025459
US-10-257-017B-102189

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TTATTGTTATAT 13

RESULT 759
US-10-257-017B-102190/c
; Sequence 102190, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 102190
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025459
US-10-257-017B-102190

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTATTGTTATAT 1

RESULT 760
US-10-257-017B-102193/c
; Sequence 102193, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 102193
; LENGTH: 13

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025459
US-10-257-017B-102193

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATAT 759
Db 13 TTATTAATCATAT 1

RESULT 761
US-10-257-017B-102194
; Sequence 102194, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 102194
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025459
US-10-257-017B-102194

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATAT 759
Db 1 TTATTAATCATAT 13

RESULT 762
US-10-257-017B-102927
; Sequence 102927, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 102927
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025718
US-10-257-017B-102927

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Qy 746 ATTATTGATAATA 758
Db 1 ATTATAGGTAATA 13

RESULT 763
US-10-257-017B-102928/c
; Sequence 102928, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 102928
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025718
US-10-257-017B-102928

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 13 ATTATAGGTAATA 1

RESULT 764
US-10-257-017B-103693
; Sequence 103693, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 103693
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025938
US-10-257-017B-103693

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 753 ATAATATGGGTCA 765
Db 1 ATAATATGTGTTA 13

RESULT 765
US-10-257-017B-103694/c
; Sequence 103694, Application US/10257017B
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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 103694
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025938
US-10-257-017B-103694

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 753 ATAATATGGGTCA 765
Db 13 ATAATATGGTGA 1

RESULT 766
US-10-257-017B-104315/c
; Sequence 104315, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104315
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104315

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTATTGATAATAT 1

RESULT 767
US-10-257-017B-104316
; Sequence 104316, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104316
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104316
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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104316
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104316

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TTATTGATAATAT 13

RESULT 768
US-10-257-017B-104317
; Sequence 104317, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104317
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104317

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TTATTGATAATAT 13

RESULT 769
US-10-257-017B-104318/c
; Sequence 104318, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104318
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104318
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US-10-257-017B-104318

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATTAAT 759
Db 13 TTATTGATTAAT 1

RESULT 770

US-10-257-017B-105661
; Sequence 105661, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105661
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026485

US-10-257-017B-105661

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 741 TGAGGATTTATGA 753
Db 1 TGAGGATTTATGA 13

RESULT 771

US-10-257-017B-105662/c
; Sequence 105662, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105662
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026485

US-10-257-017B-105662

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 741 TGAGGATTTATGA 753
Db 13 TGAGGATTTATGA 1

US-10-257-017B-104318

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATTAAT 759
Db 13 TTATTGATTAAT 1

RESULT 770

US-10-257-017B-105661
; Sequence 105661, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105661
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026485

US-10-257-017B-105661

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 741 TGAGGATTTATGA 753
Db 1 TGAGGATTTATGA 13

RESULT 771

US-10-257-017B-105662/c
; Sequence 105662, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105662
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026485

US-10-257-017B-105662

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 741 TGAGGATTTATGA 753
Db 13 TGAGGATTTATGA 1

RESULT 772

US-10-257-017B-105663
; Sequence 105663, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105663
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026485

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 741 TGAGGATTTATGA 753
Db 1 TGAGGATTTATGA 13

RESULT 773

US-10-257-017B-105664/c
; Sequence 105664, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105664
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026485

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 741 TGAGGATTTATGA 753
Db 13 TGAGGATTTATGA 1

RESULT 774

US-10-257-017B-107119
; Sequence 107119, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 107119
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026828
US-10-257-017B-107119

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      742 GAGGATTATTGAT 754
Db      1 GATGATTGTGAT 13

RESULT 775
US-10-257-017B-107120/c
; Sequence 107120, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 107120
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026828
US-10-257-017B-107120

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      742 GAGGATTATTGAT 754
Db      13 GATGATTGTGAT 1

RESULT 776
US-10-257-017B-108231
; Sequence 108231, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 108231
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027101
US-10-257-017B-108231

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      666 AGAGGGTTTACTT 678
Db      1 AGAGGGATTATTT 13

RESULT 777
US-10-257-017B-108232/c
; Sequence 108232, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 108232
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027101
US-10-257-017B-108232

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      666 AGAGGGTTTACTT 678
Db      13 AGAGGGATTATTT 1

RESULT 778
US-10-257-017B-109423
; Sequence 109423, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 109423
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027381
US-10-257-017B-109423

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
```

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATTG 752

Db 1 TTTCGGATTATTG 13

RESULT 779

US-10-257-017B-109424/c
; Sequence 109424, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 109424
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027381
US-10-257-017B-109424

Query Match 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATTG 752

Db 13 TTTCGGATTATTG 1

RESULT 780

US-10-257-017B-110005
; Sequence 110005, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110005
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027483
US-10-257-017B-110005

Query Match 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 750 TTGATAATATGGG 762

Db 1 TTGATAATATGGG 13

RESULT 781

US-10-257-017B-110006/c

; Sequence 110006, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Kurt Berlin

; APPLICANT: Christian Piepenbrock

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 110006

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027483

US-10-257-017B-110006

Query Match 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 750 TTGATAATATGGG 762

Db 13 TTGATAATATGGG 1

RESULT 782

US-10-257-017B-110669
; Sequence 110669, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110669
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110669

Query Match 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 745 GATTATTGATAT 757

Db 1 GATTATTGATAT 13

RESULT 783

US-10-257-017B-110670/c
; Sequence 110670, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

```
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 110670
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110670

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      745 GATTATTGATAT 757
Db      13 GATTGTTGATGAT 1

RESULT 784
US-10-257-017B-111619
/ Sequence 111619, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 111619
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027871
US-10-257-017B-111619

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      746 ATTATTGATAATA 758
Db      1 ATTATGGAAAAATA 13

RESULT 785
US-10-257-017B-111620/c
/ Sequence 111620, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 111620
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027871
US-10-257-017B-111619
```

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/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027871
US-10-257-017B-111620

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      746 ATTATTGATAATA 758
Db      13 ATTATGGAAAAATA 1

RESULT 786
US-10-257-017B-112533
/ Sequence 112533, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 112533
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028138
US-10-257-017B-112533

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      748 TATTGATAATATG 760
Db      1 TTTTATAATATG 13

RESULT 787
US-10-257-017B-112534/c
/ Sequence 112534, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 112534
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028138
US-10-257-017B-112534

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      748 TATTGATAATATG 760
Db      1 TTTTATAATATG 13
```

Db 13 TTTTATAATATG 1

RESULT 788

US-10-257-017B-112899
; Sequence 112899, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 112899
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028234
US-10-257-017B-112899

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGTAAT 757

Db 1 GATTAGTGTAAT 13

RESULT 789

US-10-257-017B-112900/c
; Sequence 112900, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 112900
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028234
US-10-257-017B-112900

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGTAAT 757

Db 13 GATTAGTGTAAT 1

RESULT 790

US-10-257-017B-112921
; Sequence 112921, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 112921
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028248
US-10-257-017B-112921

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759

Db 1 TTTTGTGATAATTT 13

RESULT 791

US-10-257-017B-112922/c
; Sequence 112922, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 112922
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028248
US-10-257-017B-112922

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759

Db 13 TTTTGTGATAATTT 1

RESULT 792

US-10-257-017B-113215
; Sequence 113215, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 113215

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028342

US-10-257-017B-113215

Query Match

Best Local Similarity 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 740 TTGAGGATTATTG 752

Db 1 TTAAGTATTATTG 13

RESULT 793

US-10-257-017B-113216/c

; Sequence 113216, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 113216

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028342

US-10-257-017B-113216

Query Match

Best Local Similarity 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 740 TTGAGGATTATTG 752

Db 13 TTAAGTATTATTG 1

RESULT 794

US-10-257-017B-113797/c

; Sequence 113797, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 113797

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028485

US-10-257-017B-113797

Query Match

Best Local Similarity 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Best Local Similarity 84.8%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 700 CTGTACCCGAAAT 712

Db 13 CTGTACCCGAAAT 1

RESULT 795

US-10-257-017B-113798

; Sequence 113798, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 113798

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028485

US-10-257-017B-113798

Query Match

Best Local Similarity 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 700 CTGTACCCGAAAT 712

Db 1 CTGTACCCGAAAT 13

RESULT 796

US-10-257-017B-114005

; Sequence 114005, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 114005

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028537

US-10-257-017B-114005

Query Match

Best Local Similarity 8.1%; Score 9.8; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 7.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 708 GAAATTGCTGTGG 720

Db 1 GAAATTAATGTGG 13

RESULT 797


```
US-10-257-017B-114006/c
; Sequence 114006, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114006
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028537
US-10-257-017B-114006

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 708 GAAATTGCTGTGG 720
Db 13 GAAATTAATGTGG 1

RESULT 798
US-10-257-017B-114007
; Sequence 114007, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114007
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028537
US-10-257-017B-114007

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 708 GAAATTGCTGTGG 720
Db 1 GAAATCGATGTGG 13

RESULT 799
US-10-257-017B-114008/c
; Sequence 114008, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

```
US-10-257-017B-114008
; Sequence 114008, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114008
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028537
US-10-257-017B-114008

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 708 GAAATTGCTGTGG 720
Db 13 GAAATCGATGTGG 1

RESULT 800
US-10-257-017B-114011
; Sequence 114011, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114011
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028537
US-10-257-017B-114011

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 708 GAAATTGCTGTGG 720
Db 1 GAAATTCACGTGG 13

RESULT 801
US-10-257-017B-114012/c
; Sequence 114012, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114012
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028337
US-10-257-017B-114012

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 708 GAAATTGCGTGG 720
Db 13 GAAATTGACGTGG 1

RESULT 802
US-10-257-017B-114941
; Sequence 114941, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114941
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028788
US-10-257-017B-114941

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
Db 1 ATTTTAAATATGG 13

RESULT 803
US-10-257-017B-114942/c
; Sequence 114942, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114942
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028788
US-10-257-017B-114942

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
```

```
Db 13 ATTTTAAATATGG 1

RESULT 804
US-10-257-017B-115355
; Sequence 115355, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115355
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115355

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 754 TAATATGGTCAA 766
Db 1 TAATATGGTCCA 13

RESULT 805
US-10-257-017B-115356/c
; Sequence 115356, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115356
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115356

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 754 TAATATGGTCAA 766
Db 13 TAATATGGTCCA 1

RESULT 806
US-10-257-017B-115357
; Sequence 115357, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115357
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115357

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 754 TAATATGGGTCAA 766
Db 1 TAATATCGGTCAA 13

RESULT 807
US-10-257-017B-115358/c
; Sequence 115358, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115358
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115358

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 754 TAATATGGGTCAA 766
Db 13 TAATATCGGTCAA 1

RESULT 808
US-10-257-017B-115367/c
; Sequence 115367, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 117651
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-117651
```

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; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115367
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115367

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 754 TAATATGGGTCAA 766
Db 13 TAATATCGGTCAA 1

RESULT 809
US-10-257-017B-115368
; Sequence 115368, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115368
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115368

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 754 TAATATGGGTCAA 766
Db 1 TAATATCGGTCAA 13

RESULT 810
US-10-257-017B-117651
; Sequence 117651, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 117651
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-117651
```

```
Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 740 TTGAGGATTATG 752
Db 1 TTGAGGATTATG 13

RESULT 811
US-10-257-017B-117652/c
; Sequence 117652, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 117652
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029418
US-10-257-017B-117652

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 740 TTGAGGATTATG 752
Db 1 TTGAGGATTATG 13

RESULT 812
US-10-257-017B-120801
; Sequence 120801, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120801
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030145
US-10-257-017B-120801

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTATGATA 755
Db 1 AGTATTATTGTA 13

RESULT 813
US-10-257-017B-120802/c
; Sequence 120802, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120802
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030145
US-10-257-017B-120802

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTATGATA 755
Db 13 AGTATTATTGTA 13

RESULT 814
US-10-257-017B-122703
; Sequence 122703, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122703
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030669
US-10-257-017B-122703

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATA 758
Db 1 ATTATTGATA 13

RESULT 815
US-10-257-017B-122704/c
; Sequence 122704, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122704
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030669
US-10-257-017B-122704
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; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122704
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030669
US-10-257-017B-122704

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      13 ATTATTGATAATA 1

RESULT 816
US-10-257-017B-122705
; Sequence 122705, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122705
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030669
US-10-257-017B-122705

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      13 ATTATTGATAATA 1

RESULT 817
US-10-257-017B-122706/c
; Sequence 122706, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122706
; LENGTH: 13
; TYPE: DNA
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```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030669
US-10-257-017B-122706

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      13 ATTATCGTTAATA 1

RESULT 818
US-10-257-017B-123161
; Sequence 123161, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 123161
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030794
US-10-257-017B-123161

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      687 AAGATACTGATTG 699
Db      1 AAGATAGTGATAG 13

RESULT 819
US-10-257-017B-123162/c
; Sequence 123162, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 123162
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030794
US-10-257-017B-123162

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

QY 687 AAGATAGTATTG 699
|||||
Db 13 AAGATAGTATTG 1

RESULT 820

US-10-257-017B-123163
; Sequence 123163 Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 123163
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030794
US-10-257-017B-123163

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 687 AAGATAGTATTG 699
|||||
Db 1 AAGATAGTATTG 13

RESULT 821

US-10-257-017B-123164/c
; Sequence 123164 Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 123164
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030794
US-10-257-017B-123164

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 687 AAGATAGTATTG 699
|||||
Db 13 AAGATAGTATTG 1

RESULT 822

US-10-257-017B-123605
; Sequence 123605 Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 123605
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030905
US-10-257-017B-123605

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 663 GACAGAGGGTTTA 675
|||||
Db 1 GACAGAGGGTTTA 13

RESULT 823

US-10-257-017B-123606/c
; Sequence 123606 Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 123606
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030905
US-10-257-017B-123606

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 663 GACAGAGGGTTTA 675
|||||
Db 13 GACAGAGGGTTTA 1

RESULT 824

US-10-257-017B-126075
; Sequence 126075 Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 126075
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031546
US-10-257-017B-126075

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 748 TATTGATAATATG 760
   |||||
Db 1 TATTGATAATATG 13

RESULT 825
US-10-257-017B-126076/c
; Sequence 126076, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 126076
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031546
US-10-257-017B-126076

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 748 TATTGATAATATG 760
   |||||
Db 13 TATTGATAATATG 1

RESULT 826
US-10-257-017B-126819
; Sequence 126819, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 126819
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031729
US-10-257-017B-126819
```

```

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
   |||||
Db 1 ATAGATATTATGG 13

RESULT 827
US-10-257-017B-126820/c
; Sequence 126820, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 126820
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031729
US-10-257-017B-126820

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
   |||||
Db 13 ATAGATATTATGG 1

RESULT 828
US-10-257-017B-130997
; Sequence 130997, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 130997
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032695
US-10-257-017B-130997

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
   |||||
Db 1 ATTATTGATAATA 13
```

RESULT 829
US-10-257-017B-130998/c
; Sequence 130998, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 130998
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032695
US-10-257-017B-130998

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
|||||
Db 13 ATTATTATATTA 1

RESULT 830
US-10-257-017B-130999
; Sequence 130999, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 130999
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032695
US-10-257-017B-130999

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
|||||
Db 1 ATTATTATATTA 13

RESULT 831
US-10-257-017B-131000/c
; Sequence 131000, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131000
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032695
US-10-257-017B-131000

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
|||||
Db 13 ATTATTATATTA 1

RESULT 832
US-10-257-017B-131839
; Sequence 131839, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131839
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032913
US-10-257-017B-131839

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 740 TTGAGGATTATTG 752
|||||
Db 1 TTTAGGATTATAG 13

RESULT 833
US-10-257-017B-131840/c
; Sequence 131840, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131840
; LENGTH: 13


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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032913
US-10-257-017B-131840

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      740 TTGAGGATTATTG 752
Db      13 TTTAGGATTATAG 1

RESULT 834
US-10-257-017B-133467
; Sequence 133467, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 133467
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033286
US-10-257-017B-133467

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      670 GGTTCATTGTGCA 682
Db      1 GGTTCACGTGTGA 13

RESULT 835
US-10-257-017B-133468/c
; Sequence 133468, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 133468
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033286
US-10-257-017B-133468

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      670 GGTTCATTGTGCA 682
Db      1 GGTTCACGTGTGA 13

RESULT 836
US-10-257-017B-133845/c
; Sequence 133845, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 133845
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033373
US-10-257-017B-133845

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      701 TGTACCCGAAATT 713
Db      13 TCTAACCGAAATT 1

RESULT 837
US-10-257-017B-133846
; Sequence 133846, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 133846
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033373
US-10-257-017B-133846

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      701 TGTACCCGAAATT 713
Db      1 TCTAACCGAAATT 13

RESULT 838
US-10-257-017B-134577
; Sequence 134577, Application US/10257017B
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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134577
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033538
US-10-257-017B-134577

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      743 AGGATTATTGATA 755
Db      1 AGGTTTATTGAGA 13

RESULT 839
US-10-257-017B-134578/c
; Sequence 134578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134578
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033538
US-10-257-017B-134578

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      743 AGGATTATTGATA 755
Db      13 AGGTTTATTGAGA 1

RESULT 840
US-10-257-017B-134941
; Sequence 134941, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134941
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033637
US-10-257-017B-134941

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      674 TACTTTGCAGCGG 686
Db      1 TATTTTGAGCGG 13

RESULT 841
US-10-257-017B-134942/c
; Sequence 134942, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134942
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033637
US-10-257-017B-134942

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      674 TACTTTGCAGCGG 686
Db      13 TATTTTGAGCGG 1

RESULT 842
US-10-257-017B-138997
; Sequence 138997, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138997
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034815

```

US-10-257-017B-138997

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 750 TTGATAATATGGG 762
| | | | | | | | | | | | |
Db 1 TTGTAATATGG 13

RESULT 843

US-10-257-017B-138998/c
; Sequence 138998, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138998
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034815
US-10-257-017B-138998

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 750 TTGATAATATGGG 762
| | | | | | | | | | | | |
Db 13 TTGTAATATGG 1

RESULT 844

US-10-257-017B-143133/c
; Sequence 143133, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143133
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035903
US-10-257-017B-143133

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTCATAATAT 759
| | | | | | | | | | | | |
Db 13 TTATTCATAATCT 1

RESULT 847

US-10-257-017B-143664/c
; Sequence 143664, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

RESULT 845

US-10-257-017B-143134
; Sequence 143134, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143134
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035903
US-10-257-017B-143134

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTCATAATAT 759
| | | | | | | | | | | | |
Db 1 TTATTCATAATCT 13

RESULT 846

US-10-257-017B-143663
; Sequence 143663, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143663
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036070
US-10-257-017B-143663

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 753 ATAATATGGGTCA 765
| | | | | | | | | | | | |
Db 1 AAAATATGGGTCA 13

```

; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036327
US-10-257-017B-144500

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      743 AGCATTATTGATA 755
Db      13 AGTATTATTATA 1

RESULT 850
US-10-257-017B-147337
; Sequence 147337, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosin
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147337
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037214
US-10-257-017B-147337

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      747 TTATTGATATAT 759
Db      1 TTTTGGTATAT 13

RESULT 851
US-10-257-017B-147338/c
; Sequence 147338, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosin
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147338
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037214
US-10-257-017B-147338

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      747 TTATTGATATAT 759
Db      1 TTTTGGTATAT 13

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Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTTTGGTAATAT 1

RESULT 852

US-10-257-017B-148063
; Sequence 148063, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148063
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037389
US-10-257-017B-148063

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TTATTGATAGTT 13

RESULT 853

US-10-257-017B-148064/c
; Sequence 148064, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148064
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037389
US-10-257-017B-148064

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTATTGATAGTT 1

RESULT 854

US-10-257-017B-150237

Sequence 150237, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150237
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037916
US-10-257-017B-150237

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 733 TTTTACCTTGAGG 745
Db 1 TTTTAAGTTGAGG 13

RESULT 855

US-10-257-017B-150238/c
; Sequence 150238, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150238
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037916
US-10-257-017B-150238

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 733 TTTTACCTTGAGG 745
Db 13 TTTTAAGTTGAGG 1

RESULT 856

US-10-257-017B-150239
; Sequence 150239, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
US-10-257-017B-150239

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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150239
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037916
US-10-257-017B-150239

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 733 TTTTACCTTGAGG 745
DB 1 TTTTAAATTGAGG 13

RESULT 857
US-10-257-017B-150240/c
; Sequence 150240, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150240
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037916
US-10-257-017B-150240

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 733 TTTTACCTTGAGG 745
DB 13 TTTTAAATTGAGG 1

RESULT 858
US-10-257-017B-151103
; Sequence 151103, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151103
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037916
US-10-257-017B-150240
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; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038152
US-10-257-017B-151103

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
DB 1 ATTATTGTTGATA 13

RESULT 859
US-10-257-017B-151104/c
; Sequence 151104, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151104
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038152
US-10-257-017B-151104

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
DB 13 ATTATTGTTGATA 1

RESULT 860
US-10-257-017B-151301
; Sequence 151301, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151301
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038204
US-10-257-017B-151301

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTATTGATA 755
DB 13 AGGATTATTGATA 1
```

```
Db      1 AGGTTTATTATA 13

RESULT 861
US-10-257-017B-151302/c
; Sequence 151302, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151302
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038204
US-10-257-017B-151302

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      743 AGGATTATTGATA 755
Db      13 AGGTTTATTATA 1

RESULT 862
US-10-257-017B-152229
; Sequence 152229, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152229
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038464
US-10-257-017B-152229

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      746 ATTATTGATAATA 758
Db      1 ATTATTGGAATA 13

RESULT 863
US-10-257-017B-152230/c
; Sequence 152230, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152230
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038464
US-10-257-017B-152230

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      746 ATTATTGATAATA 758
Db      13 ATTATTGGAATA 1

RESULT 864
US-10-257-017B-152415
; Sequence 152415, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152415
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038519
US-10-257-017B-152415

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      753 ATRATATGGGTCA 765
Db      1 ATAATATGTGTAA 13

RESULT 865
US-10-257-017B-152416/c
; Sequence 152416, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```

; SEQ ID NO 152416
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038519
US-10-257-017B-152416

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 753 ATAATATGGGTCA 765
Db 13 ATAATATGTGTA 1

RESULT 866
US-10-257-017B-152985
; Sequence 152985, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152985
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038668
US-10-257-017B-152985

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
Db 1 AAATATTGATAAAA 13

RESULT 867
US-10-257-017B-152986/c
; Sequence 152986, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152986
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038668
US-10-257-017B-152986

Query Match      8.1%; Score 9.8; DB 1; Length 13;

```

```

Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
Db 13 AAATATTGATAAAA 1

RESULT 868
US-10-257-017B-153885/c
; Sequence 153885, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153885
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038905
US-10-257-017B-153885

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 701 TGTATCCCGAAATT 713
Db 13 TATATCCCAAAATT 1

RESULT 869
US-10-257-017B-153886
; Sequence 153886, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153886
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038905
US-10-257-017B-153886

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 701 TGTATCCCGAAATT 713
Db 1 TATATCCCAAAATT 13

RESULT 870

```



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US-10-257-017B-154185
; Sequence 154185, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/MO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154185
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038969
US-10-257-017B-154185

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```

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred.No. 7.4e+00;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      751  TGATATATGGGT 763
          |||||
Db      1  TGATTATGGGT 13

```

```

RESULT 971
US-10-257-017B-154186/c
; Sequence 154186, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257.017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154186
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038969
; US-10-257-017B-154186

```

Query Match	8.1%	Score 9.8;	DB 1;	Length 13;
Best Local Similarity	84.6%;	Pred. No. 7.4e+02;		
Matches 11;	Conservative	0;	Mismatches 2;	Indels 0;
Gaps 0;				
QV	751	TCATAATATGGGT	763	
DB	13	TGATTATCTGGGT	1	

```

RESULT 872
US-10-257-017B-159545
; Sequence 159545, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO

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; CURRENT APPLICATION NUMBER: US/10/257,017B
;
; CURRENT FILING DATE: 2002-10-07
;
; PRIOR APPLICATION NUMBER: DE 10019173.8
;
; PRIOR FILING DATE: 2000-04-07
;
; NUMBER OF SEQ ID NOS: 382046
;
; SEQ ID NO 159545
;
; LENGTH: 13
;
; TYPE: DNA
;
; ORGANISM: Artificial Sequence
;
; FEATURE:
;
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040160
US-10-257-017B-159545

```

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11: Conservative 0; Mismatches 2; Indels

QY
747 TTATTGATAATAT 759

D_b
1 TTAGTGTTAATAT 13

```

RESULT 873
US-10-257-017B-159546/c
; Sequence 159546, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piesenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159546
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040160
; US-10-257-017B-159546

```

```
Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11: Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

QY 747 TTATTGATAATAT 759
||| ||| ||| ||| |||
Db 13 TTAGTGTAAATAT 1

```

RESULT 874
US-10-257-017B-159547
; Sequence 159547, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159547
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

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;
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040160
US-10-257-017B-159547

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAAT 759
||| ||| ||| ||| |||
Db 1 TTAGTGGTAAT 13

RESULT 875
US-10-257-017B-159548/c
; Sequence 159548, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159548
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040160
US-10-257-017B-159548

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAAT 759
||| ||| ||| ||| |||
Db 13 TTAGTGGTAAT 13

RESULT 876
US-10-257-017B-160457
; Sequence 160457, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 160457
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008393
US-10-257-017B-160457

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 678 TTGCAGCGGAAGA 690
||| ||| ||| ||| |||
Db 13 TTGCAGCGGTAGA 13

RESULT 877
US-10-257-017B-160458/c
; Sequence 160458, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 160458
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008393
US-10-257-017B-160458

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 678 TTGCAGCGGAAGA 690
||| ||| ||| ||| |||
Db 13 TTGCAGCGGTAGA 13

RESULT 878
US-10-257-017B-160607
; Sequence 160607, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 160607
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040434
US-10-257-017B-160607

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 755 AATATGGGTCAAG 767
||| ||| ||| ||| |||
Db 1 AATATGGGTAAAG 13

RESULT 879
US-10-257-017B-160608/c
; Sequence 160608, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 160608
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040434
US-10-257-017B-160608

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 755 AATATCGGTCAAG 767
Db 13 AATATCGGTAAAG 1

RESULT 880
US-10-257-017B-160609
; Sequence 160609, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 160609
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040434
US-10-257-017B-160609

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 755 AATATCGGTCAAG 767
Db 1 AATATCGGTAAAG 13

RESULT 881
US-10-257-017B-160610/c
; Sequence 160610, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 160609
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040434
US-10-257-017B-160609

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 755 AATATCGGTCAAG 767
Db 1 AATATCGGTAAAG 13

RESULT 882
US-10-257-017B-161339
; Sequence 161339, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161339
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040627
US-10-257-017B-161339

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 566 AGAGGGTTTACTT 678
Db 1 AGAGGATTTAATT 13

RESULT 883
US-10-257-017B-161340/c
; Sequence 161340, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161340
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040627
US-10-257-017B-161340
```

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 160610
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040434
US-10-257-017B-160610

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 755 AATATCGGTCAAG 767
Db 13 AATATCGGTAAAG 1

RESULT 882
US-10-257-017B-161339
; Sequence 161339, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161339
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040627
US-10-257-017B-161339

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 566 AGAGGGTTTACTT 678
Db 1 AGAGGATTTAATT 13

RESULT 883
US-10-257-017B-161340/c
; Sequence 161340, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161340
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040627
US-10-257-017B-161340
```

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 666 AGAGGTTTACTT 678
|||||
Db 13 AGAGGATTAATT 1

RESULT 884

US-10-257-017B-167225/c
; Sequence 167225, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 167225
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041855
US-10-257-017B-167225

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 701 TGTACCCGAAAT 713
|||||
Db 13 TCTACCCGAAAT 1

RESULT 885

US-10-257-017B-167226
; Sequence 167226, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 167226
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041855
US-10-257-017B-167226

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 701 TGTACCCGAAAT 713
|||||
Db 1 TCTACCCGAAAT 13

RESULT 886

US-10-257-017B-168183/c
; Sequence 168183, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 168183
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042068
US-10-257-017B-168183

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 726 CTAGACCTTTTAC 738
|||||
Db 13 CTAACCTTTTCC 1

RESULT 887

US-10-257-017B-168184
; Sequence 168184, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 168184
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042068
US-10-257-017B-168184

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 726 CTAGACCTTTTAC 738
|||||
Db 1 CTAACCTTTTCC 13

RESULT 888

US-10-257-017B-171033/c
; Sequence 171033, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171033
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042068
US-10-257-017B-171033

FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 171033
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042663
US-10-257-017B-171033

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 725 TCTAGACCTTTTA 737
||| |||||
Db 13 TCAATACCTTTTA 1

RESULT 889
US-10-257-017B-171034
Sequence 171034; Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 171034
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042663
US-10-257-017B-171034

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 725 TCTAGACCTTTTA 737
||| |||||
Db 1 TCAATACCTTTTA 13

RESULT 890
US-10-257-017B-174159
Sequence 174159; Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 174159
LENGTH: 13
TYPE: DNA

ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043331
US-10-257-017B-174159

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTGATGATA 755
||||| |||||
Db 1 AGGATTGATGATA 13

RESULT 891
US-10-257-017B-174160/c
Sequence 174160; Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 174160
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043331
US-10-257-017B-174160

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTGATGATA 755
||||| |||||
Db 13 AGGATTGATGATA 1

RESULT 892
US-10-257-017B-175877
Sequence 175877; Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 175877
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043673
US-10-257-017B-175877

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
||||| |||||
Db 1 TTATTTTAATAT 13

RESULT 893

US-10-257-017B-175878/c
; Sequence 175878, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 175878
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043673
US-10-257-017B-175878

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
||||| |||||
Db 13 TTATTTTAATAT 1

RESULT 894

US-10-257-017B-175879/c
; Sequence 175879, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 175879
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043673
US-10-257-017B-175879

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
||||| |||||
Db 13 TTACTATAATAT 1

RESULT 895

US-10-257-017B-175880
; Sequence 175880, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 175880
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043673
US-10-257-017B-175880

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
||||| |||||
Db 1 TTACTATAATAT 13

RESULT 896

US-10-257-017B-176641
; Sequence 176641, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 176641
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043831
US-10-257-017B-176641

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
||||| |||||
Db 1 TTGTTTATAAT 13

RESULT 897

US-10-257-017B-176642/c
; Sequence 176642, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 176642
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043831
US-10-257-017B-176642

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      747 TTATTGATAATAT 759
Db      13 TTTTATAATAT 1

RESULT 898
US-10-257-017B-177655
; Sequence 177655, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 177655
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007928
US-10-257-017B-177655

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      747 TTATTGATAATAT 759
Db      1 TTTTATAATAT 13

RESULT 899
US-10-257-017B-177656/c
; Sequence 177656, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 177656
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007928
US-10-257-017B-177656
```

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Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      747 TTATTGATAATAT 759
Db      13 TTTTATAATAT 1

RESULT 900
US-10-257-017B-180223
; Sequence 180223, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 180223
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044614
US-10-257-017B-180223

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      740 TTGAGGATTATTG 752
Db      1 TTTTGATTATTG 13

RESULT 901
US-10-257-017B-180224/c
; Sequence 180224, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 180224
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044614
US-10-257-017B-180224

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      740 TTGAGGATTATTG 752
Db      13 TTTTGATTATTG 1
```

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RESULT 902
US-10-257-017B-180225
; Sequence 180225, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 180225
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044614
US-10-257-017B-180225

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      740 TTGAGGATTATG 752
Db      1 TTTCGGATTATG 13

RESULT 903
US-10-257-017B-180226/c
; Sequence 180226, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 180226
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044614
US-10-257-017B-180226

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      740 TTGAGGATTATG 752
Db      1 TTTCGGATTATG 13

RESULT 904
US-10-257-017B-181303
; Sequence 181303, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 181303
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044852
US-10-257-017B-181303

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      748 TATTGATAATATG 760
Db      1 TATTGATAGTAAG 13

RESULT 905
US-10-257-017B-181304/c
; Sequence 181304, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 181304
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044852
US-10-257-017B-181304

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      748 TATTGATAATATG 760
Db      13 TATTGATAGTAAG 1

RESULT 906
US-10-257-017B-182481
; Sequence 182481, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 182481
; LENGTH: 13
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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045101
US-10-257-017B-182481

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 668 AGGTTTACTTTG 680
Db 1 AGGTTTCTTTTG 13

RESULT 907
US-10-257-017B-182482/c
; Sequence 182482, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 182482
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045101
US-10-257-017B-182482

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 668 AGGTTTACTTTG 680
Db 13 AGGTTTCTTTTG 1

RESULT 908
US-10-257-017B-182555
; Sequence 182555, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 182555
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045123
US-10-257-017B-182555

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy 743 AGGATTATTGATA 755
Db 1 AGGGTTATTGTGA 13

RESULT 909
US-10-257-017B-182556/c
; Sequence 182556, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 182556
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045123
US-10-257-017B-182556

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
Db 13 AGGGTTATTGTGA 1

RESULT 910
US-10-257-017B-183115
; Sequence 183115, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183115
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000216
US-10-257-017B-183115

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 750 TTGATATATATGGG 762
Db 1 TTGATGTTATGGG 13

RESULT 911
US-10-257-017B-183116/c
; Sequence 183116, Application US/10257017B

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183308
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045258
US-10-257-017B-183308

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      13 ATTAATGATGATA 1

RESULT 914
US-10-257-017B-184289
; Sequence 184289, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosin
; TITLE OF INVENTION: methyations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184289
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001347
US-10-257-017B-184289

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      740 TTGAGGATTATTG 752
Db      1 TTTATGATTATTG 13

RESULT 915
US-10-257-017B-184290/c
; Sequence 184290, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosin
; TITLE OF INVENTION: methyations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184290
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001347

```

US-10-257-017B-184290

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATGG 752
||| |||||
Db 13 TTTATGATTATGG 1

RESULT 916

US-10-257-017B-184995

; Sequence 184995, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 184995

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045629

US-10-257-017B-184995

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 749 ATTGATAATATGG 761
||| |||||
Db 1 ATTATAGTATGG 13

RESULT 917

US-10-257-017B-184996/c

; Sequence 184996, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 184996

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045629

US-10-257-017B-184996

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 749 ATTGATAATATGG 761
||| |||||
Db 13 ATTATAGTATGG 1

RESULT 918

US-10-257-017B-186483

; Sequence 186483, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 186483

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045932

US-10-257-017B-186483

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
||| |||||
Db 1 AGAGTTATTGATA 13

RESULT 919

US-10-257-017B-186484/c

; Sequence 186484, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 186484

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045932

US-10-257-017B-186484

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
||| |||||
Db 13 AGAGTTATTGATA 1

RESULT 920

US-10-257-017B-189401

; Sequence 189401, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189401
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046596
US-10-257-017B-189401

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      740 TTGAGGATTATTG 752
Db      13 TTAAGGATTATAG 13

RESULT 921
US-10-257-017B-189402/c
; SEQUENCE 189402, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189402
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046596
US-10-257-017B-189402

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      740 TTGAGGATTATTG 752
Db      13 TTAAGGATTATAG 13

RESULT 922
US-10-257-017B-190761/c
; SEQUENCE 190761, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 190761
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046901
US-10-257-017B-190761

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      747 TTATTGATAATAT 759
Db      13 TTATTCAATTATAT 1

RESULT 923
US-10-257-017B-190762
; SEQUENCE 190762, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 190762
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046901
US-10-257-017B-190762

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      747 TTATTGATAATAT 759
Db      1 TTATTCAATTATAT 13

RESULT 924
US-10-257-017B-190887/c
; SEQUENCE 190887, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 190887
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046952
US-10-257-017B-190887

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
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Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
||||| |||||
Db 13 TTATTACTAATAT 1

RESULT 925
US-10-257-017B-190888
; Sequence 190888, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 190888
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046952
US-10-257-017B-190888

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
||||| |||||
Db 1 TTATTACTAATAT 13

RESULT 926
US-10-257-017B-191047
; Sequence 191047, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191047
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047002
US-10-257-017B-191047

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 758 ATGGGTCAAGAG 770
||||| |||||
Db 1 ATGGGTGAAAAAG 13

RESULT 927
US-10-257-017B-191048/c

; Sequence 191048, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191048
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047002
US-10-257-017B-191048

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 758 ATGGGTCAAGAG 770
||||| |||||
Db 13 ATGGGTGAAAAAG 1

RESULT 928
US-10-257-017B-191049
; Sequence 191049, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191049
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047002
US-10-257-017B-191049

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 758 ATGGGTCAAGAG 770
||||| |||||
Db 1 ATGGGTGAAAAAG 13

RESULT 929
US-10-257-017B-191050/c
; Sequence 191050, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191050
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047002
US-10-257-017B-191050

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      758 ATGGGTCAAGAG 770
Db      13 ATGGGTGAAAG 1

RESULT 930
US-10-257-017B-191089
; Sequence 191089, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191089
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047017
US-10-257-017B-191089

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      13 ATTATTGTTATA 13

RESULT 931
US-10-257-017B-191090/c
; Sequence 191090, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191090
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047017
US-10-257-017B-191090

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      13 ATTATTGTTATA 13

RESULT 932
US-10-257-017B-191097/c
; Sequence 191097, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191097
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047017
US-10-257-017B-191097

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      13 ATTATTGTTATA 13

RESULT 933
US-10-257-017B-191098
; Sequence 191098, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191098
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047017
US-10-257-017B-191098

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      13 ATTATTGTTATA 13
```



```
; SEQ ID NO 195667
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048137
US-10-257-017B-195667

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      750 TTGATAATATGGG 762
Db      1 TTATAATAGGGG 13

RESULT 939
US-10-257-017B-195668/c
; Sequence 195668, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 195668
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048137
US-10-257-017B-195668

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      750 TTGATAATATGGG 762
Db      13 TTATAATAGGGG 1

RESULT 940
US-10-257-017B-196241
; Sequence 196241, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196241
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048294
US-10-257-017B-196241

Query Match      8.1%; Score 9.8; DB 1; Length 13;
```

```
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      745 GATTATTGATAAT 757
Db      1 GGTTTTGTGATAAT 13

RESULT 941
US-10-257-017B-196242/c
; Sequence 196242, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196242
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048294
US-10-257-017B-196242

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      745 GATTATTGATAAT 757
Db      13 GGTTTTGTGATAAT 1

RESULT 942
US-10-257-017B-196277
; Sequence 196277, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196277
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048310
US-10-257-017B-196277

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      1 ATTATTGTTAAGA 13

RESULT 943
```



```
US-10-257-017B-196278/c
; Sequence 196278, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196278
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048310
US-10-257-017B-196278

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTCATAATA 758
Db      13 ATTATTCATAATA 1

RESULT 944
US-10-257-017B-198007/c
; Sequence 198007, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198007
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048739
US-10-257-017B-198007

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      727 TAGACCTTTTACC 739
Db      13 TAAATCTTTTACC 1

RESULT 945
US-10-257-017B-198008
; Sequence 198008, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198008
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048739
US-10-257-017B-198008

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      727 TAGACCTTTTACC 739
Db      1 TAAATCTTTTACC 13

RESULT 946
US-10-257-017B-198163
; Sequence 198163, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198163
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048773
US-10-257-017B-198163

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTCATAATA 758
Db      1 ATTATTCATAATA 13

RESULT 947
US-10-257-017B-198164/c
; Sequence 198164, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198164
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048857
US-10-257-017B-198164

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGTAATA 758
|||||
Db 13 ATTATTGTAATA 1

RESULT 948

US-10-257-017B-198541
; Sequence 198541, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198541
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048857
US-10-257-017B-198541

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
|||||
Db 1 ATTGATAATATAG 13

RESULT 949

US-10-257-017B-198542/c
; Sequence 198542, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198542
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048857
US-10-257-017B-198542

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761

Db 13 ATTGATAATAG 1
|||||

RESULT 950

US-10-257-017B-198543
; Sequence 198543, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198543
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048857
US-10-257-017B-198543

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
|||||
Db 1 ATTGATAATAG 13

RESULT 951

US-10-257-017B-198544/c
; Sequence 198544, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198544
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048857
US-10-257-017B-198544

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
|||||
Db 13 ATTGATAATAG 1

RESULT 952

US-10-257-017B-198721
; Sequence 198721, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198721
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048901
US-10-257-017B-198721

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
Db 1 AATGAAATATGG 13

RESULT 953
US-10-257-017B-198722/c
; Sequence 198722, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198722
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048901
US-10-257-017B-198722

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
Db 13 AATGAAATATGG 1

RESULT 954
US-10-257-017B-199599
; Sequence 199599, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 199599
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006989
US-10-257-017B-199599

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 663 GACAGAGGGTTTA 675
Db 1 GATAGAGGGTTTA 13

RESULT 955
US-10-257-017B-199600/c
; Sequence 199600, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 199600
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006989
US-10-257-017B-199600

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 663 GACAGAGGGTTTA 675
Db 13 GATAGAGGGTTTA 1

RESULT 956
US-10-257-017B-202537
; Sequence 202537, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 202537
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049780
US-10-257-017B-202537
```

```
Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
||| |||||
Db 1 ATTGATAATATGG 13

RESULT 957
US-10-257-017B-202538/c
; Sequence 202538, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 202538
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049780
US-10-257-017B-202538

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
||| |||||
Db 13 ATTGATAATATGG 1

RESULT 958
US-10-257-017B-203113
; Sequence 203113, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203113
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049885
US-10-257-017B-203113

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTATTGATA 755
||| |||||
Db 1 ATGATTATTGATA 13
```

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RESULT 959
US-10-257-017B-203114/c
; Sequence 203114, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203114
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049885
US-10-257-017B-203114

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 743 AGGATTATTGATA 755
||| |||||
Db 13 ATGATTATTGATA 1

RESULT 960
US-10-257-017B-203867
; Sequence 203867, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203867
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006882
US-10-257-017B-203867

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 740 TTGAGGATTATTG 752
||| |||||
Db 1 TTGGGGATTTTTG 13

RESULT 961
US-10-257-017B-203868/c
; Sequence 203868, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203868
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006882
US-10-257-017B-203868
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203868
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006882
US-10-257-017B-203868

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATTG 752
Db 13 TTGGGATTTTGT 1

RESULT 962
US-10-257-017B-203999
; Sequence 203999, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203999
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050059
US-10-257-017B-203999

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
Db 1 ATGATTATTGTA 13

RESULT 963
US-10-257-017B-204000/c
; Sequence 204000, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 204000
; LENGTH: 13
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050059
US-10-257-017B-204000

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
Db 13 ATGATTATTGTA 1

RESULT 964
US-10-257-017B-207071
; Sequence 207071, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207071
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050668
US-10-257-017B-207071

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 1 ATTTTGTAGTA 13

RESULT 965
US-10-257-017B-207072/c
; Sequence 207072, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207072
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050668
US-10-257-017B-207072

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219209
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053298
US-10-257-017B-219209

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
|||||
Db 1 GATTTTAAATAAT 13

RESULT 971
US-10-257-017B-219210/c
; Sequence 219210, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219210
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053298
US-10-257-017B-219210

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
|||||
Db 13 GATTTTAAATAAT 1

RESULT 972
US-10-257-017B-219547/c
; Sequence 219547, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219547
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053395
US-10-257-017B-219547

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 723 CATCTAGACCTTT 735
|||||
Db 13 CATATACACCTTT 1

RESULT 973
US-10-257-017B-219548
; Sequence 219548, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219548
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053395
US-10-257-017B-219548

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 723 CATCTAGACCTTT 735
|||||
Db 1 CATATACACCTTT 13

RESULT 974
US-10-257-017B-219549/c
; Sequence 219549, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219549
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053395
US-10-257-017B-219549

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 723 CATCTAGACCTTT 735
|||||
Db 13 CATATACACCTTT 1

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RESULT 975
US-10-257-017B-219550
; Sequence 219550, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219550
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053395
US-10-257-017B-219550

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 723 CATCTAGACCTTT 735
Db 1 CATATATACCTTT 13

RESULT 976
US-10-257-017B-219881/c
; Sequence 219881, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219881
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053504
US-10-257-017B-219881

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTATTTCTAATAT 1

RESULT 977
US-10-257-017B-219882
; Sequence 219882, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219882
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053504
US-10-257-017B-219882

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TTATTTCTAATAT 13

RESULT 978
US-10-257-017B-220021
; Sequence 220021, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220021
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053534
US-10-257-017B-220021

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
Db 1 AGTTATATATGG 13

RESULT 979
US-10-257-017B-220022/c
; Sequence 220022, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220022
; LENGTH: 13

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053534
US-10-257-017B-220022

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 749 ATTGATTAATGG 761
Db 13 AGTTATAATGG 1

RESULT 980
US-10-257-017B-222539
; Sequence 222539, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222539
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054147
US-10-257-017B-222539

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
Db 1 AAGATTATAGATA 13

RESULT 981
US-10-257-017B-222540/c
; Sequence 222540, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222540
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054147
US-10-257-017B-222540

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Qy 743 AGGATTATTGATA 755
Db 13 AAGATTATAGATA 1

RESULT 982
US-10-257-017B-223091/c
; Sequence 223091, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223091
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054315
US-10-257-017B-223091

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 703 TACCCGAAATTGC 715
Db 13 TACCCCTAATTCC 1

RESULT 983
US-10-257-017B-223092
; Sequence 223092, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223092
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054315
US-10-257-017B-223092

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 703 TACCCGAAATTGC 715
Db 1 TACCCCTAATTCC 13

RESULT 984
US-10-257-017B-223369
; Sequence 223369, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223369
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054387
US-10-257-017B-223369

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 744 GGATTATTGATGA 756
Db 1 GTATTATTGATGA 13

RESULT 985
US-10-257-017B-223370/c
; Sequence 223370, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223370
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054387
US-10-257-017B-223370

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 744 GGATTATTGATGA 756
Db 13 GTATTATTGATGA 1

RESULT 986
US-10-257-017B-225723
; Sequence 225723, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 225723
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055024
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 225723
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055024
US-10-257-017B-225723

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 750 TTGATAATATGGG 762
Db 1 TTGATAATATGAG 13

RESULT 987
US-10-257-017B-225724/c
; Sequence 225724, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 225724
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055024
US-10-257-017B-225724

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 750 TTGATAATATGGG 762
Db 13 TTGATAATATGAG 1

RESULT 988
US-10-257-017B-227563
; Sequence 227563, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227563
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055493
```

US-10-257-017B-227563

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATTG 752
|||||
Db 1 TTGAGGGTTTTC 13

RESULT 989

US-10-257-017B-227564/c
; Sequence 227564, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227564
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055493
US-10-257-017B-227564

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 740 TTGAGGATTATTG 752
|||||
Db 13 TTGAGGGTTTTC 1

RESULT 990

US-10-257-017B-228633/c
; Sequence 228633, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228633
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009636
US-10-257-017B-228633

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTCATATAT 759
|||||
Db 13 TTATTCATATAT 1

RESULT 991

US-10-257-017B-228634
; Sequence 228634, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228634
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009636
US-10-257-017B-228634

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTCATATAT 759
|||||
Db 1 TTATTCATATAT 13

RESULT 992

US-10-257-017B-228827/c
; Sequence 228827, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228827
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055828
US-10-257-017B-228827

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 726 CTAGACCTTTTAC 738
|||||
Db 13 CTATACCTTTTCC 1

RESULT 993

US-10-257-017B-228928
; Sequence 228928, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin

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; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228828
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055828
US-10-257-017B-228828

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
Db 1 CTATACCTTTTCC 13

RESULT 994
US-10-257-017B-230051
; Sequence 230051, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230051
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056102
US-10-257-017B-230051

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
Db 1 ATTATTGAGAGTA 13

RESULT 995
US-10-257-017B-230052/c
; Sequence 230052, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230052
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056102
US-10-257-017B-230052

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
Db 13 ATTATTGAGAGTA 1

RESULT 996
US-10-257-017B-233243/c
; Sequence 233243, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 233243
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056901
US-10-257-017B-233243

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTAATTATAATAT 1

RESULT 997
US-10-257-017B-233244
; Sequence 233244, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 233244
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056901
US-10-257-017B-233244

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
```

```
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 747 TTAATTGATAATAT 759
Db 1 TTAATTATAATAT 13

RESULT 998
US-10-257-017B-233577
; Sequence 233577, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 233577
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057015
US-10-257-017B-233577

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 708 GAAATTGCTGTGG 720
Db 1 GAAATTGAGGTGG 13

RESULT 999
US-10-257-017B-233578/c
; Sequence 233578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 233578
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057015
US-10-257-017B-233578

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 708 GAAATTGCTGTGG 720
Db 13 GAAATTGAGGTGG 1

RESULT 1000
US-10-257-017B-233865
```

```
; Sequence 233865, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 233865
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057073
US-10-257-017B-233865

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 667 GAGGGTTTACTTT 679
Db 1 GAGGGTTTAGGTT 13

RESULT 1001
US-10-257-017B-233866/c
; Sequence 233866, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 233866
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057073
US-10-257-017B-233866

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 667 GAGGGTTTACTTT 679
Db 13 GAGGGTTTAGGTT 1

RESULT 1002
US-10-257-017B-234157
; Sequence 234157, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

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/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 234157
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057139
US-10-257-017B-234157

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 751 TCATAATATGGGT 763
Db 1 TGATTATATAGT 13

RESULT 1003
US-10-257-017B-234158/c
/ Sequence 234158, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 234158
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057139
US-10-257-017B-234158

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 751 TCATAATATGGGT 763
Db 13 TCATTATATAGT 1

RESULT 1004
US-10-257-017B-234399
/ Sequence 234399, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 234399
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057139
US-10-257-017B-234158
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/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057205
US-10-257-017B-234399

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TAAATGATAATAT 13

RESULT 1005
US-10-257-017B-234400/c
/ Sequence 234400, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 234400
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057205
US-10-257-017B-234400

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TAAATGATAATAT 1

RESULT 1006
US-10-257-017B-234619/c
/ Sequence 234619, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 234619
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057256
US-10-257-017B-234619

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 725 TCTAGACCTTTTA 737
Db 13 TCTAGACCTTTTA 1
```

```
Db 13 TCTATTCCTTTTA 1
RESULT 1007
US-10-257-017B-234620
; Sequence 234620, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234620
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057256
US-10-257-017B-234620
Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 725 TCTAGACCTTTTA 737
Db 1 TCTATTCCTTTTA 13
RESULT 1008
US-10-257-017B-234875
; Sequence 234875, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234875
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057335
US-10-257-017B-234875
Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 751 TGATAATATGGGT 763
Db 1 TGATAATATGGGT 13
RESULT 1009
US-10-257-017B-234876/c
; Sequence 234876, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234876
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057335
US-10-257-017B-234876
Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 751 TGATAATATGGGT 763
Db 13 TGATAATATGGGT 1
RESULT 1010
US-10-257-017B-235651
; Sequence 235651, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 235651
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057535
US-10-257-017B-235651
Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 748 TATTGATAATATG 760
Db 1 TATTGATAATAGG 13
RESULT 1011
US-10-257-017B-235652/c
; Sequence 235652, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 235652
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057535
US-10-257-017B-235652

Query Match
Best Local Similarity 8.1%; Score 9.8; DB 1; Length 13;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 748 TTGATAATATGG 760
Db 13 TTTAATAATAGG 1

RESULT 1012
US-10-257-017B-237997
; Sequence 237997, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237997
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006337
US-10-257-017B-237997

Query Match
Best Local Similarity 8.1%; Score 9.8; DB 1; Length 13;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 750 TTGATAATATGG 762
Db 1 TTTAATAATAGG 13

RESULT 1013
US-10-257-017B-237998/c
; Sequence 237998, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237998
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006337
US-10-257-017B-237998

Query Match
Best Local Similarity 8.1%; Score 9.8; DB 1; Length 13;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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```
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 750 TTGATAATATGG 762
Db 13 TTTAATAATAGG 1

RESULT 1014
US-10-257-017B-239527
; Sequence 239527, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 239527
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058432
US-10-257-017B-239527

Query Match
Best Local Similarity 8.1%; Score 9.8; DB 1; Length 13;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 750 TTGATAATATGG 762
Db 1 TTTAATAATAGG 13

RESULT 1015
US-10-257-017B-239528/c
; Sequence 239528, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 239528
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058432
US-10-257-017B-239528

Query Match
Best Local Similarity 8.1%; Score 9.8; DB 1; Length 13;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 750 TTGATAATATGG 762
Db 13 TTTAATAATAGG 1

RESULT 1016
```



```
US-10-257-017B-240827
; Sequence 240827, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 240827
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058734
US-10-257-017B-240827

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 679 TGCAGCGGAAGAT 691
DB 1 TGTAGCGTAAGAT 13

RESULT 1017
US-10-257-017B-240828/c
; Sequence 240828, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 240828
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058734
US-10-257-017B-240828

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 679 TGCAGCGGAAGAT 691
DB 13 TGTAGCGTAAGAT 1

RESULT 1018
US-10-257-017B-243381
; Sequence 243381, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

```
US-10-257-017B-243381
; Sequence 243382, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 243382
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059379
US-10-257-017B-243382

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 685 GGAAGATAGTGAT 697
DB 13 GGAAGATAGTGAT 1

RESULT 1019
US-10-257-017B-243382/c
; Sequence 243382, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 243382
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059379
US-10-257-017B-243382

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 685 GGAAGATAGTGAT 697
DB 13 GGAAGATAGTGAT 1

RESULT 1020
US-10-257-017B-245203
; Sequence 245203, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245203
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059879
US-10-257-017B-245203

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
Db 1 ATTGATGATAGGG 13

RESULT 1021
US-10-257-017B-245204/c
; Sequence 245204, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245204
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059879
US-10-257-017B-245204

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
Db 13 ATTGATGATAGGG 1

RESULT 1022
US-10-257-017B-245209
; Sequence 245209, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245209
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059879
US-10-257-017B-245209

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATGG 761
```

```
Db 1 ATCGATAATATAGG 13

RESULT 1023
US-10-257-017B-245210/c
; Sequence 245210, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245210
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059879
US-10-257-017B-245210

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 749 ATTGATAATATAGG 761
Db 13 ATCGATAATATAGG 1

RESULT 1024
US-10-257-017B-247425/c
; Sequence 247425, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 247425
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060461
US-10-257-017B-247425

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 723 CATCTAGACCTTT 735
Db 13 CATCTGACATTT 1

RESULT 1025
US-10-257-017B-247426
; Sequence 247426, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 247426
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060461
US-10-257-017B-247426

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      723 CATCTGACCTTT 735
Db      1 CATCTGACATTT 13

RESULT 1026
US-10-257-017B-247623
; Sequence 247623, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 247623
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060514
US-10-257-017B-247623

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      749 ATTGATAATATGG 761
Db      1 AGTGATAATATAG 13

RESULT 1027
US-10-257-017B-247624/c
; Sequence 247624, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 247624
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060514
US-10-257-017B-247624
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; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 247624
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060514
US-10-257-017B-247624

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      749 ATTGATAATATGG 761
Db      13 AGTGATAATATAG 1

RESULT 1028
US-10-257-017B-247841/c
; Sequence 247841, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 247841
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060571
US-10-257-017B-247841

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      701 TGTACCCGAAT 713
Db      13 TTTACCCCAAT 1

RESULT 1029
US-10-257-017B-247842
; Sequence 247842, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 247842
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060571
US-10-257-017B-247842
```

```
Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 701 TGTACCCGAAATT 713
Db 1 TTTACCCCAATT 13

RESULT 1030
US-10-257-017B-248571
; Sequence 248571, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 248571
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060750
US-10-257-017B-248571

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGTAATAT 759
Db 1 TTATTGGTAATT 13

RESULT 1031
US-10-257-017B-248572/c
; Sequence 248572, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 248572
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060750
US-10-257-017B-248572

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGTAATAT 759
Db 1 TTATTGGTAATT 13
```

```
RESULT 1032
US-10-257-017B-249393
; Sequence 249393, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 249393
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060918
US-10-257-017B-249393

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 748 TATTGATAATATG 760
Db 1 TATTAGATATG 13

RESULT 1033
US-10-257-017B-249394/c
; Sequence 249394, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 249394
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060918
US-10-257-017B-249394

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 748 TATTGATAATATG 760
Db 13 TATTAGATATG 13

RESULT 1034
US-10-257-017B-249395
; Sequence 249395, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 249395
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060918
US-10-257-017B-249395
```

```
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 249395
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060918
US-10-257-017B-249395

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      748 TATTGATAATG 760
      ||||| |||||
Db      1 TATTAAATATG 13

RESULT 1035
US-10-257-017B-249396/c
/ Sequence 249396, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 249396
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060918
US-10-257-017B-249396

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      748 TATTGATAATG 760
      ||||| |||||
Db      13 TATTAAATATG 1

RESULT 1036
US-10-257-017B-250137
/ Sequence 250137, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 250137
/ LENGTH: 13
/ TYPE: DNA
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/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061078
US-10-257-017B-250137

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
      ||||| |||||
Db      1 ATTATAGATATTA 13

RESULT 1037
US-10-257-017B-250138/c
/ Sequence 250138, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 250138
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061078
US-10-257-017B-250138

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
      ||||| |||||
Db      13 ATTATAGATATTA 1

RESULT 1038
US-10-257-017B-251607
/ Sequence 251607, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 251607
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061389
US-10-257-017B-251607

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

Qy 734 TTATCCTTGAGGA 746
Db 1 TTATCGTGAGGA 13

RESULT 1039

US-10-257-017B-251608/c
; Sequence 251608, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 251608
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061389
US-10-257-017B-251608

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 734 TTATCCTTGAGGA 746
Db 13 TTATCGTGAGGA 1

RESULT 1040

US-10-257-017B-251753/c
; Sequence 251753, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 251753
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009161
US-10-257-017B-251753

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 13 ATTACTTATAATA 1

RESULT 1041

US-10-257-017B-251754
; Sequence 251754, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 251754
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009161
US-10-257-017B-251754

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 1 ATTACTTATAATA 13

RESULT 1042

US-10-257-017B-251755/c
; Sequence 251755, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 251755
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009161
US-10-257-017B-251755

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 13 ATTACTTATAATA 1

RESULT 1043

US-10-257-017B-251756
; Sequence 251756, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 251756
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009161
US-10-257-017B-251756

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      1 ATTACTCATATA 13

RESULT 1044
US-10-257-017B-252941
; Sequence 252941, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252941
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061696
US-10-257-017B-252941

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      1 AGTATTGTTAATA 13

RESULT 1045
US-10-257-017B-252942/c
; Sequence 252942, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252942
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061696
US-10-257-017B-252942
```

```
Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAATA 758
Db      13 AGTATTGTTAATA 1

RESULT 1046
US-10-257-017B-252943
; Sequence 252943, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252943
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061696
US-10-257-017B-252943

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      743 AGGATTATTGATA 755
Db      1 AGTATTATTATA 13

RESULT 1047
US-10-257-017B-252944/c
; Sequence 252944, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252944
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061696
US-10-257-017B-252944

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      743 AGGATTATTGATA 755
Db      13 AGTATTATTATA 1
```

```
RESULT 1048
US-10-257-017B-256155
; Sequence 256155, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256155
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062416
US-10-257-017B-256155

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      745 GATTATTGATAAT 757
Db      1 GATTATTGATAAT 13

RESULT 1049
US-10-257-017B-256156/c
; Sequence 256156, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256156
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062416
US-10-257-017B-256156

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      745 GATTATTGATAAT 757
Db      1 GATTATTGATAAT 13

RESULT 1050
US-10-257-017B-256157
; Sequence 256157, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256157
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062416
US-10-257-017B-256157

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      745 GATTATTGATAAT 757
Db      1 GATTATTGATAAT 13

RESULT 1051
US-10-257-017B-256158/c
; Sequence 256158, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256158
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062416
US-10-257-017B-256158

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      745 GATTATTGATAAT 757
Db      13 GATTATTGATAAT 1

RESULT 1052
US-10-257-017B-256951
; Sequence 256951, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256951
; LENGTH: 13
```



```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000773
US-10-257-017B-256951

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TTATTGATAATAT 13

RESULT 1053
US-10-257-017B-256952/c
; Sequence 256952, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256952
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000773
US-10-257-017B-256952

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTATTGATAATAT 1

RESULT 1054
US-10-257-017B-256985
; Sequence 256985, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256985
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062559
US-10-257-017B-256985

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 747 TTATTGATAATAT 759
Db 1 TTATTGATAATAT 13

RESULT 1055
US-10-257-017B-256986/c
; Sequence 256986, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256986
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062559
US-10-257-017B-256986

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTATTGATAATAT 1

RESULT 1056
US-10-257-017B-258253
; Sequence 258253, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258253
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062798
US-10-257-017B-258253

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 741 TGAGGATTATTGA 753
Db 1 TCGGGGTTATTGA 13

RESULT 1057
US-10-257-017B-258254/c
; Sequence 258254, Application US/10257017B
```

```

; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258254
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062798
US-10-257-017B-258254

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 741 TCGGATTATTGA 753
DB 13 TCGGGGTATTGA 1

RESULT 1058
US-10-257-017B-258747/c
; Sequence 258747, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258747
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062892
US-10-257-017B-258747

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
DB 13 AATATTATAATA 1

RESULT 1059
US-10-257-017B-258748
; Sequence 258748, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258748
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062892
US-10-257-017B-258748

```

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258748
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062892
US-10-257-017B-258748

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
DB 13 AATATTATAATA 13

RESULT 1060
US-10-257-017B-258749/c
; Sequence 258749, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258749
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062892
US-10-257-017B-258749

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.8%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAATA 758
DB 13 AATATTATAATA 1

RESULT 1061
US-10-257-017B-258750
; Sequence 258750, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258750
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062892
US-10-257-017B-258750

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US-10-257-017B-258750

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 1 AATATTCATAATA 13

RESULT 1062

US-10-257-017B-259481
; Sequence 259481, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259481
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063022
US-10-257-017B-259481

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 750 TTGATAAATATGGG 762
Db 1 TTGAAATATGGG 13

RESULT 1063

US-10-257-017B-259482/c
; Sequence 259482, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259482
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063022
US-10-257-017B-259482

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 750 TTGATAAATATGGG 762
Db 1 TTGAAATATGGG 13

RESULT 1064

US-10-257-017B-261479
; Sequence 261479, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 261479
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063458
US-10-257-017B-261479

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 737 ACCTTGAGGATTA 749
Db 1 ACGTTGGGATTA 13

RESULT 1065

US-10-257-017B-261480/c
; Sequence 261480, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 261480
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063458
US-10-257-017B-261480

Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 737 ACCTTGAGGATTA 749
Db 13 ACGTTGGGATTA 1

RESULT 1066

US-10-257-017B-261489
; Sequence 261489, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin

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/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 261489
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063458
US-10-257-017B-261489

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 737 ACCTGAGGATTA 749
DB 1 ACGTCGAGGATTA 13

RESULT 1067
US-10-257-017B-261490/c
/ Sequence 261490, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 261490
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063458
US-10-257-017B-261490

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 737 ACCTGAGGATTA 749
DB 1 ACGTCGAGGATTA 13

RESULT 1068
US-10-257-017B-262421/c
/ Sequence 262421, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 262421
```

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/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008760
US-10-257-017B-262421

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
DB 1 CTAACCACTTTAC 1

RESULT 1069
US-10-257-017B-262422
/ Sequence 262422, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 262422
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008760
US-10-257-017B-262422

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 726 CTAGACCTTTTAC 738
DB 1 CTAACCACTTTAC 13

RESULT 1070
US-10-257-017B-262423/c
/ Sequence 262423, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 262423
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008760
US-10-257-017B-262423

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 726 CTAGACCTTTTAC 738
Db 13 CTAACCGTTTAC 1
RESULT 1071
US-10-257-017B-262424
; Sequence 262424, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262424
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008760
US-10-257-017B-262424
Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 726 CTAGACCTTTTAC 738
Db 1 CTAACCGTTTAC 13
RESULT 1072
US-10-257-017B-262669
; Sequence 262669, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262669
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063711
US-10-257-017B-262669
Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 748 TATTGATATATG 760
Db 1 TATTATAGTATG 13
RESULT 1073
US-10-257-017B-262670/c
; Sequence 262670, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262670
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063711
US-10-257-017B-262670
Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 748 TATTGATATATG 760
Db 1 TATTATAGTATG 13
RESULT 1075
US-10-257-017B-265698/c
; Sequence 265698, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; Sequence 262670, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262670
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063711
US-10-257-017B-262670
Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 748 TATTGATATATG 760
Db 13 TATTATAGTATG 1
RESULT 1074
US-10-257-017B-265697
; Sequence 265697, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 265697
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064393
US-10-257-017B-265697
Query Match 8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 746 ATTATTGATTAATA 758
Db 1 ATTATTAGAATA 13
RESULT 1075
US-10-257-017B-265698/c
; Sequence 265698, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 265698
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064393
US-10-257-017B-265698

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTCGATAATA 758
   |||||
Db 13 ATTATTAAGAATA 1

RESULT 1076
US-10-257-017B-265701
; Sequence 265701, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 265701
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064393
US-10-257-017B-265701

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTCGATAATA 758
   |||||
Db 1 ATTATCGAATA 13

RESULT 1077
US-10-257-017B-265702/c
; Sequence 265702, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 265702
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064393
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; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064393
US-10-257-017B-265702

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTCGATAATA 758
   |||||
Db 13 ATTATCGAATA 1

RESULT 1078
US-10-257-017B-266431
; Sequence 266431, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 266431
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064356
US-10-257-017B-266431

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 724 ATCTAGACCTTTT 736
   |||||
Db 1 ATGTAGACGTTTT 13

RESULT 1079
US-10-257-017B-266432/c
; Sequence 266432, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 266432
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064556
US-10-257-017B-266432

Query Match      8.1%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 724 ATCTAGACCTTTT 736
   |||||
```

Db 13 ATGTAGACGTTTT 1

RESULT 1080
 US-10-257-017B-266725
 ; Sequence 266725, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 266725
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064633
 US-10-257-017B-266725

Query Match 8.1%; Score 9.8; DB 1; Length 13;
 Best Local Similarity 84.6%; Pred.No. 7.4e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
 ||| ||||| |||||
 Db 1 AGGTTTATAGATA 13

RESULT 1081
 US-10-257-017B-266726/c
 ; Sequence 266726, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 266726
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064633
 US-10-257-017B-266726

Query Match 8.1%; Score 9.8; DB 1; Length 13;
 Best Local Similarity 84.6%; Pred.No. 7.4e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 743 AGGATTATTGATA 755
 ||| ||||| |||||
 Db 13 AGGTTTATAGATA 1

RESULT 1082
 US-09-974-619D-58/c
 ; Sequence 58, Application US/09974619D
 ; GENERAL INFORMATION:
 ; APPLICANT: Schuetz, Erin
 ; APPLICANT: Zhang, Jiong

QY 656 ACCTTTGGACACA 668
DB 2 AGGUTUGGACAAA 14

RESULT 1085

US-10-708-951-24917/c

; Sequence 24917, Application US/10708951

; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD

; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL

; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

; FILE REFERENCE: 55034

; CURRENT APPLICATION NUMBER: US/10/708,951

; CURRENT FILING DATE: 2004-04-02

; NUMBER OF SEQ ID NOS: 59824

; SOFTWARE: Patentin version 3.2

; SEQ ID NO 24917

; LENGTH: 14

; TYPE: RNA

; ORGANISM: Homo sapiens

US-10-708-951-24917

Query Match

Best Local Similarity 8.1%; Score 9.8; DB 1; Length 14;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 751 TGATAATATGGGT 763

DB 13 TGATACTTTGGGT 1

RESULT 1086

US-10-708-951-25867

; Sequence 25867, Application US/10708951

; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD

; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL

; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

; FILE REFERENCE: 55034

; CURRENT APPLICATION NUMBER: US/10/708,951

; CURRENT FILING DATE: 2004-04-02

; NUMBER OF SEQ ID NOS: 59824

; SOFTWARE: Patentin version 3.2

; SEQ ID NO 25867

; LENGTH: 14

; TYPE: RNA

; ORGANISM: Homo sapiens

US-10-708-951-25867

Query Match

Best Local Similarity 8.1%; Score 9.8; DB 1; Length 14;

Matches 8; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 663 GACACAGGGTTTA 675

DB 1 GGCACAGGGUUA 13

RESULT 1087

US-10-708-951-29136/c

; Sequence 29136, Application US/10708951

; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD

; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL

; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

; FILE REFERENCE: 55034

; CURRENT APPLICATION NUMBER: US/10/708,951

; CURRENT FILING DATE: 2004-04-02

; NUMBER OF SEQ ID NOS: 59824

; SOFTWARE: Patentin version 3.2

; SEQ ID NO 29136

; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-29136

Query Match 8.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 8.2e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 751 TGATAATATGGGT 763

DB 13 TGATACTTTGGGT 1

RESULT 1088

US-10-708-951-30835/c

; Sequence 30835, Application US/10708951

; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD

; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL

; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

; FILE REFERENCE: 55034

; CURRENT APPLICATION NUMBER: US/10/708,951

; CURRENT FILING DATE: 2004-04-02

; NUMBER OF SEQ ID NOS: 59824

; SOFTWARE: Patentin version 3.2

; SEQ ID NO 30835

; LENGTH: 14

; TYPE: RNA

; ORGANISM: Homo sapiens

US-10-708-951-30835

Query Match

Best Local Similarity 8.1%; Score 9.8; DB 1; Length 14;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 751 TGATAATATGGGT 763

DB 13 TGATACTTTGGGT 1

RESULT 1089

US-10-708-951-33202/c

; Sequence 33202, Application US/10708951

; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD

; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL

; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

; FILE REFERENCE: 55034

; CURRENT APPLICATION NUMBER: US/10/708,951

; CURRENT FILING DATE: 2004-04-02

; NUMBER OF SEQ ID NOS: 59824

; SOFTWARE: Patentin version 3.2

; SEQ ID NO 33202

; LENGTH: 14

; TYPE: RNA

; ORGANISM: Homo sapiens

US-10-708-951-33202

Query Match

Best Local Similarity 8.1%; Score 9.8; DB 1; Length 14;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 751 TGATAATATGGGT 763

DB 13 TGATACTTTGGGT 1

RESULT 1090

US-10-708-951-37641

; Sequence 37641, Application US/10708951

; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD


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/ TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
/ TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
/ FILE REFERENCE: 55034
/ CURRENT APPLICATION NUMBER: US/10/708,951
/ NUMBER OF SEQ ID NOS: 59824
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 37641
/ LENGTH: 14
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-708-951-37641

Query Match      8.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 61.5%; Pred. No. 8.2e+02;
Matches 8; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY      656 AGCTTTGGACAG 668
      || :|||
Db      2 AGGUUGGACAA 14

RESULT 1091
US-10-708-951-37665
/ Sequence 37665, Application US/10708951
/ GENERAL INFORMATION:
/ APPLICANT: ROSETTA GENOMICS LTD
/ TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
/ TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
/ FILE REFERENCE: 55034
/ CURRENT APPLICATION NUMBER: US/10/708,951
/ NUMBER OF SEQ ID NOS: 59824
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 37665
/ LENGTH: 14
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-708-951-37665

Query Match      8.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 61.5%; Pred. No. 8.2e+02;
Matches 8; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY      656 AGCTTTGGACAG 668
      || :|||
Db      1 AGGUUGGACAA 13

RESULT 1092
US-10-708-951-40903/c
/ Sequence 40903, Application US/10708951
/ GENERAL INFORMATION:
/ APPLICANT: ROSETTA GENOMICS LTD
/ TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
/ TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
/ FILE REFERENCE: 55034
/ CURRENT APPLICATION NUMBER: US/10/708,951
/ NUMBER OF SEQ ID NOS: 59824
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 40903
/ LENGTH: 14
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-708-951-40903

Query Match      8.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 8.2e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      751 TCATAATATGGGT 763
      |||||
```

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Db      13 TGATACTTGGGT 1

RESULT 1093
US-10-708-951-44990
/ Sequence 44990, Application US/10708951
/ GENERAL INFORMATION:
/ APPLICANT: ROSETTA GENOMICS LTD
/ TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
/ TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
/ FILE REFERENCE: 55034
/ CURRENT APPLICATION NUMBER: US/10/708,951
/ CURRENT FILING DATE: 2004-04-02
/ NUMBER OF SEQ ID NOS: 59824
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 44990
/ LENGTH: 14
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-708-951-44990

Query Match      8.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 61.5%; Pred. No. 8.2e+02;
Matches 8; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY      663 GACAGAGGGTTTA 675
      |||
Db      1 GGCACAGGGUUUA 13

RESULT 1094
US-10-708-951-45706
/ Sequence 45706, Application US/10708951
/ GENERAL INFORMATION:
/ APPLICANT: ROSETTA GENOMICS LTD
/ TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
/ TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
/ FILE REFERENCE: 55034
/ CURRENT APPLICATION NUMBER: US/10/708,951
/ CURRENT FILING DATE: 2004-04-02
/ NUMBER OF SEQ ID NOS: 59824
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 45706
/ LENGTH: 14
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-10-708-951-45706

Query Match      8.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 61.5%; Pred. No. 8.2e+02;
Matches 8; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY      656 AGCTTTGGACAG 668
      || :|||
Db      2 AGGUUGGACAA 14

RESULT 1095
US-10-708-951-47825
/ Sequence 47825, Application US/10708951
/ GENERAL INFORMATION:
/ APPLICANT: ROSETTA GENOMICS LTD
/ TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
/ TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
/ FILE REFERENCE: 55034
/ CURRENT APPLICATION NUMBER: US/10/708,951
/ CURRENT FILING DATE: 2004-04-02
/ NUMBER OF SEQ ID NOS: 59824
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 47825
/ LENGTH: 14
/ TYPE: RNA
/ ORGANISM: Homo sapiens
```

```
US-10-708-951-47825
Query Match      8.1%; Score 9.8; DB 1; Length 14;
Best Local Similarity 61.5%; Pred. No. 8.2e+02;
Matches 8; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 656 AGCTTTGGACAGA 668
DB 1 AGGUUGGACAAA 13

RESULT 1096
US-10-650-123-26/c
; Sequence 26, Application US/10650123
; GENERAL INFORMATION:
; APPLICANT: Shire BioChem Inc.
; TITLE OF INVENTION: PHARMACEUTICAL LIPOSOMAL COMPOSITIONS CONTAINING N.MENINGITIDIS D
; FILE REFERENCE: 74872-94
; CURRENT APPLICATION NUMBER: US/10/650,123
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: US 60/406,980
; PRIOR FILING DATE: 2002-08-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 26
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: DNA modifications on modified nsPA gene products
US-10-650-123-26

Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.8%; Pred. No. 8.9e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 712 TTGCTGTGGGCCA 724
DB 13 TTGCTGCCGCCCA 1

RESULT 1097
US-10-661-165-174
; Sequence 174, Application US/10661165
; GENERAL INFORMATION:
; APPLICANT: Dhallan, Ravinder S.
; TITLE OF INVENTION: METHODS FOR DETECTION OF GENETIC
; FILE REFERENCE: 543312000420
; CURRENT APPLICATION NUMBER: US/10/661,165
; CURRENT FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: PCT/US03/06198
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/378,354
; PRIOR FILING DATE: 2002-05-08
; PRIOR APPLICATION NUMBER: US 10/093,618
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/360,232
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: PCT/US03/27308
; PRIOR FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US 10/376,770
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 628
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 174
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 5

; OTHER INFORMATION: This nucleotide may be absent
US-10-661-165-174

Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 8.9e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 659 TTTGGACAGAGGG 671
DB 1 TTTGGACAGCAGG 13

RESULT 1098
US-10-708-951-37426/c
; Sequence 37426, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 37426
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
; OTHER INFORMATION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 8.9e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 751 TGATAATATGGGT 763
DB 14 TGAATAATATGAGT 2

RESULT 1099
US-10-708-951-39224/c
; Sequence 39224, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 39224
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
; OTHER INFORMATION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

Query Match      8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 8.9e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 753 ATAATATGGGTCA 765
DB 14 ACAATATTGGTCA 2

RESULT 1100
US-10-708-951-40143/c
; Sequence 40143, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; OTHER INFORMATION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
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; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 40143
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-40143

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 8.9e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 751 TGATAATATGGGT 763
Db 14 TGAAATATAGT 2

RESULT 1101
US-10-708-951-43586/c
; Sequence 43586, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 43586
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-43586

Query Match 8.1%; Score 9.8; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 8.9e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 753 ATAATATGGGTCA 765
Db 14 ACAATATGGTCA 2

RESULT 1102
US-10-257-017B-881/c
; Sequence 881, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 881
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000297
US-10-257-017B-881

Query Match 7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 702 GTACCCGAAA 711
Db 13 RTACCCGAAA 4

RESULT 1103
US-10-257-017B-882
; Sequence 882, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 882
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000297
US-10-257-017B-882

Query Match 7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 702 GTACCCGAAA 711
Db 1 RTACCCGAAA 10

RESULT 1104
US-10-257-017B-58883/c
; Sequence 58883, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58883
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015775
US-10-257-017B-58883

Query Match 7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 730 ACCTTTTACC 739
Db 13 RCCTTTTACC 4

RESULT 1105
US-10-257-017B-58884
; Sequence 58884, Application US/10257017B

GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58884
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015775
US-10-257-017B-58884

Query Match 7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 730 ACCTTTTACC 739
:|||||
Db 1 RCCTTTTACC 10

RESULT 1106
US-10-257-017B-58887/c
; Sequence 58887, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58887
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015775
US-10-257-017B-58887

Query Match 7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 730 ACCTTTTACC 739
:|||||
Db 13 RCCTTTTACC 4

RESULT 1107
US-10-257-017B-58888
; Sequence 58888, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07

GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58888
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015775
US-10-257-017B-58888

Query Match 7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 730 ACCTTTTACC 739
:|||||
Db 1 RCCTTTTACC 10

RESULT 1108
US-10-257-017B-142083
; Sequence 142083, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142083
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035582
US-10-257-017B-142083

Query Match 7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 745 GATTATTGAT 754
:|||||
Db 4 GATTATTGAT 13

RESULT 1109
US-10-257-017B-142084/c
; Sequence 142084, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142084
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035582
US-10-257-017B-142084

US-10-257-017B-142084

Query Match 7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 745 GATTATTGAT 754
Db 10 GATTATTGAT 1

RESULT 1110

US-10-257-017B-143537/c
; Sequence 143537, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143537
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036033
US-10-257-017B-143537

Query Match 7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 702 GTACCCGAAA 711
Db 13 RTACCCGAAA 4

RESULT 1111

US-10-257-017B-143538
; Sequence 143538, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143538
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036033
US-10-257-017B-143538

Query Match 7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 702 GTACCCGAAA 711
Db 1 RTACCCGAAA 10

RESULT 1112

US-10-257-017B-144639
; Sequence 144639, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144639
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036372
US-10-257-017B-144639

Query Match 7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 742 GAGGATTATT 751
Db 4 GAGGATTATT 13

RESULT 1113

US-10-257-017B-144640/c
; Sequence 144640, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144640
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036372
US-10-257-017B-144640

Query Match 7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 742 GAGGATTATT 751
Db 10 GAGGATTATT 1

RESULT 1114

US-10-257-017B-186231/c
; Sequence 186231, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 186231
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010791
US-10-257-017B-186231

Query Match          7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 730 ACCTTTTACC 739
DB 13 RCCTTTTACC 4

RESULT 1115
US-10-257-017B-186232
; Sequence 186232, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 186232
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010791
US-10-257-017B-186232

Query Match          7.9%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 8.3e+02;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 730 ACCTTTTACC 739
DB 1 RCCTTTTACC 10

RESULT 1116
US-09-486-623C-24/c
; Sequence 24, Application US/09486623C
; GENERAL INFORMATION:
; APPLICANT: Nielsen, Peter E.
; TITLE OF INVENTION: Peptide Nucleic Acids Having Antibacterial Activity
; FILE REFERENCE: ISIS-3292
; CURRENT APPLICATION NUMBER: US/09/486,623C
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 08/932,140
; PRIOR FILING DATE: 1997-09-16
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 24
; LENGTH: 11
; TYPE: DNA
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; ORGANISM: Artificial Sequence
; FEATURE: Artificial Sequence
; OTHER INFORMATION: Synthetic construct
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(11)
; OTHER INFORMATION: N-acetyl (2-aminoethyl) glycine
US-09-486-623C-24

Query Match          7.8%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 7.4e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 652 GAACAGCTTTG 662
DB 11 GAACAGCTATG 1

RESULT 1117
US-10-257-017B-342467/c
; Sequence 342467, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 342467
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042558
US-10-257-017B-342467

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 12 TTATTATAAT 2

RESULT 1118
US-10-257-017B-349926/c
; Sequence 349926, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 349926
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046419
US-10-257-017B-349926
```

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Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
DB 11 ATTATTGATAA 1

RESULT 1119
US-10-257-017B-267387
; Sequence 267387, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 267387
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0000154
US-10-257-017B-267387

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
DB 1 ATTGATAATAT 11

RESULT 1120
US-10-257-017B-267897/c
; Sequence 267897, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 267897
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0000643
US-10-257-017B-267897

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 730 ACCTTTTACCT 740
DB 11 ATCTTTTACCT 1
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RESULT 1121
US-10-257-017B-268311/c
; Sequence 268311, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 268311
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001056
US-10-257-017B-268311

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
DB 11 CCTTTTACCAT 1

RESULT 1122
US-10-257-017B-268689
; Sequence 268689, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 268689
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001295
US-10-257-017B-268689

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGATACG 695
DB 1 GGAAGATAGTG 11

RESULT 1123
US-10-257-017B-268716
; Sequence 268716, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
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FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 268716
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001342
US-10-257-017B-268716

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
|||
Db 2 CCTTTTACCAT 12

RESULT 1124
US-10-257-017B-268808/c
Sequence 268808, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 268808
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001416
US-10-257-017B-268808

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
|||
Db 12 CCTTTTACCTT 2

RESULT 1125
US-10-257-017B-269052/c
Sequence 269052, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 269052
LENGTH: 12
TYPE: DNA

ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001581
US-10-257-017B-269052

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
|||
Db 11 GGGTTTATTTT 1

RESULT 1126
US-10-257-017B-269378
Sequence 269378, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 269378
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001727
US-10-257-017B-269378

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 682 AGCGAAGATA 692
|||
Db 2 AGAGGAAGATA 12

RESULT 1127
US-10-257-017B-269744/c
Sequence 269744, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 269744
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001868
US-10-257-017B-269744

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
 Db 12 TATTGATAAGA 2

RESULT 1128

US-10-257-017B-270143/c
 ; Sequence 270143, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 270143
 ; LENGTH: 12
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002016
 US-10-257-017B-270143

Query Match 7.8%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 8.3e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
 Db 12 TATTGATAATA 2

RESULT 1129

US-10-257-017B-270182
 ; Sequence 270182, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 270182
 ; LENGTH: 12
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002033
 US-10-257-017B-270182

Query Match 7.8%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 8.3e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
 Db 1 ATTATTGGTAA 11

RESULT 1130

US-10-257-017B-270926
 ; Sequence 270926, Application US/10257017B
 ; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 270926
 ; LENGTH: 12
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002328
 US-10-257-017B-270926

Query Match 7.8%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 8.3e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
 Db 2 TTTTGATAATA 12

RESULT 1131

US-10-257-017B-271100
 ; Sequence 271100, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 271100
 ; LENGTH: 12
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002396
 US-10-257-017B-271100

Query Match 7.8%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 8.3e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 666 AGAGGGTTTAC 676
 Db 2 AGAGGTITAC 12

RESULT 1132

US-10-257-017B-271770
 ; Sequence 271770, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8

;; PRIOR FILING DATE: 2000-04-07
;; NUMBER OF SEQ ID NOS: 382046
;; SEQ ID NO 271770
;; LENGTH: 12
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00002611
US-10-257-017B-271770

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 570 GGTACTACTTGG 580
Db 2 GGTTATTATTG 12

RESULT 1133
US-10-257-017B-271778
; Sequence 271778, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 271778
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00002614
US-10-257-017B-271778

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 1 ATAATATAGGT 11

RESULT 1134
US-10-257-017B-272754/c
; Sequence 272754, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272754
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00002929
US-10-257-017B-272754

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGATTAT 750
Db 12 TTGAGATTAT 2

RESULT 1135
US-10-257-017B-272850
; Sequence 272850, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272850
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00002958
US-10-257-017B-272850

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
Db 1 ATTGTAATAT 11

RESULT 1136
US-10-257-017B-272893
; Sequence 272893, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272893
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00002971
US-10-257-017B-272893

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 2 TATTGATAGTA 12

```
RESULT 1137
US-10-257-017B-273295
; Sequence 273295, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 273295
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003131
US-10-257-017B-273295

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 687 AAGATACTGAT 697
Db 2 AAGATAATGAT 12

RESULT 1138
US-10-257-017B-273618/c
; Sequence 273618, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 273618
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003249
US-10-257-017B-273618

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 667 GAGGGTTTACT 677
Db 12 GAGGGTTTATT 2

RESULT 1139
US-10-257-017B-274083/c
; Sequence 274083, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 274083
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003422
US-10-257-017B-274083

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 12 TTATTGATAAT 2

RESULT 1140
US-10-257-017B-274208
; Sequence 274208, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosir
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 274208
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003478
US-10-257-017B-274208

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 730 ACCTTTTACCT 740
Db 2 ACCTTTTCCCT 12

RESULT 1141
US-10-257-017B-274494
; Sequence 274494, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosir
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 274494
; LENGTH: 12
```

```
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003570
US-10-257-017B-274494

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
Db 1 GGGTTTATTT 11

RESULT 1142
US-10-257-017B-275654
; Sequence 275654, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 275654
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003956
US-10-257-017B-275654

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 594 TGATTCGTGTA 704
Db 2 TGATTCGTGTA 12

RESULT 1143
US-10-257-017B-276342
; Sequence 276342, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 276342
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004159
US-10-257-017B-276342

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 744 GGATTATTGAT 754
Db 1 GGATTATTGAT 11

RESULT 1144
US-10-257-017B-276824
; Sequence 276824, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 276824
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004298
US-10-257-017B-276824

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGAT 754
Db 1 GGATTATTGAT 11

RESULT 1145
US-10-257-017B-276825
; Sequence 276825, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 276825
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004298
US-10-257-017B-276825

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGAT 754
Db 1 GGATTATTGAT 11

RESULT 1146
US-10-257-017B-276900
; Sequence 276900, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 276900
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004327
US-10-257-017B-276900

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      660 TTGGACAGAGG 670
Db      2 TTGGACAGAGG 12
|||||

RESULT 1147
US-10-257-017B-276926/c
; Sequence 276926, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 276926
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004334
US-10-257-017B-276926

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      672 TTACTTTTCA 682
Db      11 TTACTTTTCA 1
|||||

RESULT 1148
US-10-257-017B-277280
; Sequence 277280, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
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```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 277280
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004427
US-10-257-017B-277280

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      703 TACCCGACATT 713
Db      1 TACCCGACATT 11
|||||

RESULT 1149
US-10-257-017B-277481/c
; Sequence 277481, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 277481
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004482
US-10-257-017B-277481

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      667 GAGGGTTTACT 677
Db      11 GAGGGTTTACT 1
|||||

RESULT 1150
US-10-257-017B-277502/c
; Sequence 277502, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 277502
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004488
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US-10-257-017B-277502

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 742 GAGGATTATTG 752
DB 11 GAGGATTATTG 1

RESULT 1151

US-10-257-017B-277644/c
; Sequence 277644, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 277644
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004638
US-10-257-017B-277644

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
DB 12 TTAGGATTATT 2

RESULT 1152

US-10-257-017B-278054/c
; Sequence 278054, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278054
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005554
US-10-257-017B-278054

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
DB 11 GATTATATGGG 1

RESULT 1153

US-10-257-017B-278066/c
; Sequence 278066, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278066
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005558
US-10-257-017B-278066

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
DB 11 TGAGATTATT 1

RESULT 1154

US-10-257-017B-278328/c
; Sequence 278328, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278328
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005892
US-10-257-017B-278328

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
DB 11 TGAGATTATT 1

RESULT 1155

US-10-257-017B-278581
; Sequence 278581, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

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; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278581
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006149
US-10-257-017B-278581

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAAT 757
Db 2 TTATTGTAAT 12

RESULT 1156
US-10-257-017B-278769
; Sequence 278769, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278769
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006367
US-10-257-017B-278769

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
Db 2 ATTATTGATGA 12

RESULT 1157
US-10-257-017B-279003
; Sequence 279003, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279003
```

```
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006772
US-10-257-017B-279003

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGAT 754
Db 1 GGATTATTGTT 11

RESULT 1158
US-10-257-017B-279882/c
; Sequence 279882, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279882
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007908
US-10-257-017B-279882

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAAGATTAT 750
Db 11 TTGAAGATTAT 1

RESULT 1159
US-10-257-017B-279894
; Sequence 279894, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279894
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007915
US-10-257-017B-279894

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
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Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 747 TTATTGATAAT 757
Db 1 TTATTGATGAT 11

RESULT 1160
US-10-257-017B-280416
; Sequence 280416, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 280416
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008578
US-10-257-017B-280416

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 741 TGAGGATTATT 751
Db 2 TGAGGATGATT 12

RESULT 1161
US-10-257-017B-280486
; Sequence 280486, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 280486
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008694
US-10-257-017B-280486

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 670 GGTATTACTTTG 680
Db 2 GGTATTATTG 12

RESULT 1162
US-10-257-017B-281144/c
```

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; Sequence 281144, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 281144
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009490
US-10-257-017B-281144

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 741 TGAGGATTATT 751
Db 12 TGAGGGTTATT 2

RESULT 1163
US-10-257-017B-281372/c
; Sequence 281372, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 281372
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009690
US-10-257-017B-281372

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 747 TTATTGATAAT 757
Db 11 TTATTGATAGT 11

RESULT 1164
US-10-257-017B-281439
; Sequence 281439, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 281439
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009770
US-10-257-017B-281439

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATGATATG 760
   ||| ||| ||| |||
Db 1 TTAATGATATG 11

RESULT 1165
US-10-257-017B-281511/c
/ Sequence 281511, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 281511
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009862
US-10-257-017B-281511

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATATA 758
   ||| ||| ||| |||
Db 11 TATTGATAAGA 1

RESULT 1166
US-10-257-017B-281673
/ Sequence 281673, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 281673
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
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```
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009989
US-10-257-017B-281673

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
   ||| ||| ||| |||
Db 1 TTGGGGATTAT 11

RESULT 1167
US-10-257-017B-281821/c
/ Sequence 281821, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 281821
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010087
US-10-257-017B-281821

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
   ||| ||| ||| |||
Db 12 CCTTTTACCTT 2

RESULT 1168
US-10-257-017B-282431/c
/ Sequence 282431, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 282431
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010738
US-10-257-017B-282431

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
   ||| ||| ||| |||
```

```
Db      11 AAAATATCGGT 1
;
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 282784
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010990
US-10-257-017B-282784

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAATA 758
      |||||
Db      1 TATTATAATA 11

RESULT 1170
US-10-257-017B-283243
; Sequence 283243, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 283243
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011230
US-10-257-017B-283243

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      742 GAGGATTATTG 752
      |||||
Db      1 GAGGATTATAG 11

RESULT 1171
US-10-257-017B-283427/c
; Sequence 283427, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 283427
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011304
US-10-257-017B-283427

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      753 ATATATCGGT 763
      |||||
Db      12 AAAATATCGGT 2

RESULT 1172
US-10-257-017B-283822/c
; Sequence 283822, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 283822
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011524
US-10-257-017B-283822

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
      |||||
Db      12 TTATTGTTAAT 2

RESULT 1173
US-10-257-017B-283902
; Sequence 283902, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 283902
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011304
US-10-257-017B-283902
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```
; SEQ ID NO 283902
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011560
US-10-257-017B-283902

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      706 CCGAATTCCT 716
      |||||
Db      2 CCGAATTCCT 12

RESULT 1174
US-10-257-017B-284003/c
; Sequence 284003, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284003
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011615
US-10-257-017B-284003

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGTTCCTTTG 680
      |||||
Db      12 GGTTCCTTTG 2

RESULT 1175
US-10-257-017B-284516/c
; Sequence 284516, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284516
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011865
US-10-257-017B-284516

Query Match      7.8%; Score 9.4; DB 1; Length 12;
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```
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATGATTAAT 757
      |||||
Db      11 TTATGATTAAT 1

RESULT 1176
US-10-257-017B-284520/c
; Sequence 284520, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284520
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011867
US-10-257-017B-284520

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGCTTACTTT 679
      |||||
Db      12 GGCTTACTTT 2

RESULT 1177
US-10-257-017B-284820/c
; Sequence 284820, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284820
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012019
US-10-257-017B-284820

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTAAT 750
      |||||
Db      11 TTGAGGATTAAT 1

RESULT 1178
```

```
US-10-257-017B-285051
; CURRENT APPLICATION NUMBER: US/10/257,017B
; SEQUENCE 285051, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 285051
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012126
US-10-257-017B-285051

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      667 GAGGGTTTACT 677
Db      1 GAGGGTTTATT 11

RESULT 1179
US-10-257-017B-285322/C
; SEQUENCE 285322, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 285322
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012240
US-10-257-017B-285322

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      747 TTATTGATAAT 757
Db      11 TTATTGATAAT 11

RESULT 1180
US-10-257-017B-285553
; SEQUENCE 285553, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

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US-10-257-017B-285553
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 285553
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012350
US-10-257-017B-285553

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      671 GTTACTTTTCG 681
Db      1 GTTACTTTTCG 11

RESULT 1181
US-10-257-017B-285635/C
; SEQUENCE 285635, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 285635
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012384
US-10-257-017B-285635

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      750 TTGATATATG 760
Db      11 TTGATGATATG 11

RESULT 1182
US-10-257-017B-286647/C
; SEQUENCE 286647, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 286647
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
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; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012755
US-10-257-017B-286647

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAT 757
Db 11 TTATTGATGAT 1

RESULT 1183
US-10-257-017B-286649
; Sequence 286649, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 286649
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012755
US-10-257-017B-286649

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 742 GAGGATTATTG 752
Db 1 GGGGATTATTG 11

RESULT 1184
US-10-257-017B-286650
; Sequence 286650, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 286650
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012755
US-10-257-017B-286650

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 742 GAGGATTATTG 752
```

```

Db 1 GGGGATTATTG 11

RESULT 1185
US-10-257-017B-287002
; Sequence 287002, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 287002
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012912
US-10-257-017B-287002

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 731 CCTTTACCTT 741
Db 2 CATTTCACCTT 12

RESULT 1186
US-10-257-017B-287182/c
; Sequence 287182, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 287182
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012985
US-10-257-017B-287182

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATAA 756
Db 11 ATTATTATATA 1

RESULT 1187
US-10-257-017B-287350/c
; Sequence 287350, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
PRIOR FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 287350
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013058
US-10-257-017B-287350

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 744 GGATTATTGAT 754
Db 12 GGAATTATTGAT 2

RESULT 1188
US-10-257-017B-288129/c
Sequence 288129, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10019173.8
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 288129
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013389
US-10-257-017B-288129

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
Db 11 TATTGATAATA 1

RESULT 1189
US-10-257-017B-288363/c
Sequence 288363, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10019173.8
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 288363
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013706
US-10-257-017B-288363

NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 288363
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013479
US-10-257-017B-288363

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATAA 756
Db 11 ATTATTGATAA 1

RESULT 1190
US-10-257-017B-288516/c
Sequence 288516, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10019173.8
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 288516
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013549
US-10-257-017B-288516

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 709 AAATTGCTGTG 719
Db 12 AAATTGCTGTG 2

RESULT 1191
US-10-257-017B-288857/c
Sequence 288857, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10019173.8
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 288857
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013706
US-10-257-017B-288857

```
Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGTTCCTTCTTG 680
Db      11 GGTTCCTTCTTG 1

RESULT 1192
US-10-257-017B-290746
; Sequence 290746, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 290746
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014495
US-10-257-017B-290746

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      742 GAGGATTATTG 752
Db      2 GTGGATTATTG 12

RESULT 1193
US-10-257-017B-291246/c
; Sequence 291246, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 291246
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014710
US-10-257-017B-291246

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGGTTTCTTTT 679
Db      12 GGGTTTCTTTT 2
```

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RESULT 1194
US-10-257-017B-291551
; Sequence 291551, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 291551
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014829
US-10-257-017B-291551

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      743 AGGATTATTGA 753
Db      2 AGGATTATTGA 12

RESULT 1195
US-10-257-017B-291833/c
; Sequence 291833, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 291833
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014965
US-10-257-017B-291833

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      753 ATAATATCGGT 763
Db      11 ATAATATCGAT 1

RESULT 1196
US-10-257-017B-291938
; Sequence 291938, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 291938
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014965
US-10-257-017B-291938
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```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 291938
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015014
US-10-257-017B-291938

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      749 ATTGATAAAT 759
Db      2 ATTGATAAAT 12

RESULT 1197
US-10-257-017B-292694
; Sequence 292694, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 292694
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015307
US-10-257-017B-292694

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      668 AGGTTTACTT 678
Db      1 AGGTTTAAAT 11

RESULT 1198
US-10-257-017B-293198/c
; Sequence 293198, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 293198
; LENGTH: 12
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015539
US-10-257-017B-293198

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      747 TTATTGATAAT 757
Db      11 TTATTGTAAT 1

RESULT 1199
US-10-257-017B-293771/c
; Sequence 293771, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 293771
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015779
US-10-257-017B-293771

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      746 ATTATTGATAA 756
Db      11 ATTATTGAAA 1

RESULT 1200
US-10-257-017B-294030/c
; Sequence 294030, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 294030
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide-Primer
US-10-257-017B-294030

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```


QY 746 ATTATTGATAA 756
 |||||
 Db 12 ATTATTATAA 2

RESULT 1201

US-10-257-017B-295212
 ; Sequence 295212, Application US/10257017B
 ; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO
 ; TITLE OF INVENTION: methylations

; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 295212

; LENGTH: 12
 ; TYPE: DNA

; ORGANISM: Artificial Sequence
 ; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0016490
 US-10-257-017B-295212

Query Match 7.8%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 8.3e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGAT 754
 |||||
 Db 2 GGATTATTGAT 12

RESULT 1202

US-10-257-017B-296296
 ; Sequence 296296, Application US/10257017B
 ; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO
 ; TITLE OF INVENTION: methylations

; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 296296

; LENGTH: 12
 ; TYPE: DNA

; ORGANISM: Artificial Sequence
 ; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017012
 US-10-257-017B-296296

Query Match 7.8%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 8.3e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATTAATG 760
 |||||
 Db 2 TTGATTAATG 12

RESULT 1203

US-10-257-017B-296560/c
 ; Sequence 296560, Application US/10257017B
 ; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; TITLE OF INVENTION: methylations
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 296560
 ; LENGTH: 12
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017148
 US-10-257-017B-296560

Query Match 7.8%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 8.3e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
 |||||
 Db 11 GATTATTGATA 1

RESULT 1204

US-10-257-017B-298179
 ; Sequence 298179, Application US/10257017B
 ; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO
 ; TITLE OF INVENTION: methylations

; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 298179

; LENGTH: 12
 ; TYPE: DNA

; ORGANISM: Artificial Sequence
 ; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017955
 US-10-257-017B-298179

Query Match 7.8%; Score 9.4; DB 1; Length 12;
 Best Local Similarity 90.9%; Pred. No. 8.3e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 663 GACAGAGGTT 673
 |||||
 Db 1 GATAGAGGTT 11

RESULT 1205

US-10-257-017B-298231
 ; Sequence 298231, Application US/10257017B
 ; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO
 ; TITLE OF INVENTION: methylations

; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 298231
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017976
US-10-257-017B-298231

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
      |||||
Db      2 ATTATTGATAA 12

RESULT 1206
US-10-257-017B-299538/c
; Sequence 299538, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 299538
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018618
US-10-257-017B-299538

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGTTTACTTTG 680
      |||||
Db      11 GGTTTATTTC 1

RESULT 1207
US-10-257-017B-300265/c
; Sequence 300265, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 300265
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018942
US-10-257-017B-300265
```

```
Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGAT 754
      |||||
Db      12 GGATTATTGAT 2

RESULT 1208
US-10-257-017B-300293/c
; Sequence 300293, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 300293
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018959
US-10-257-017B-300293

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
      |||||
Db      12 TTATTGATAGT 2

RESULT 1209
US-10-257-017B-301098/c
; Sequence 301098, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 301098
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0019349
US-10-257-017B-301098

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      682 AGCGAAGATA 692
      |||||
Db      11 AGAGGAAGATA 1
```

```

RESULT 1210
US-10-257-017B-301115/c
; Sequence 301115, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 301115
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0019361
US-10-257-017B-301115

```

```

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy      670 GGTTCCTTCTTG 680
Db      12 GGTTCCTTCTTG 2

```

```

RESULT 1211
US-10-257-017B-301409
; Sequence 301409, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 301409
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0019487
US-10-257-017B-301409

```

```

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy      746 ATTATTGATAA 756
Db      1 ATTATTGATAA 11

```

```

RESULT 1212
US-10-257-017B-302623/c
; Sequence 302623, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

```

```

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 302623
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020088
US-10-257-017B-302623

```

```

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy      746 ATTATTGATAA 756
Db      12 ATTATTGATAA 2

```

```

RESULT 1213
US-10-257-017B-302689
; Sequence 302689, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 302689
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020120
US-10-257-017B-302689

```

```

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy      668 AGGGTTTACTTT 678
Db      1 AGGGTTTACTTT 11

```

```

RESULT 1214
US-10-257-017B-302831
; Sequence 302831, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 302831
; LENGTH: 12

```

```

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020181
US-10-257-017B-302831

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
DB      2 ATTATTGATAA 12

RESULT 1215
US-10-257-017B-302831/c
; Sequence 302831, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 302831
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020181
US-10-257-017B-302831

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
DB      12 TTATTGATAAT 2

RESULT 1216
US-10-257-017B-302941/c
; Sequence 302941, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 302941
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020240
US-10-257-017B-302941

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 ATTATTGATAA 758
DB      2 ATTATTGATAA 12

RESULT 1217
US-10-257-017B-304450
; Sequence 304450, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 304450
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020936
US-10-257-017B-304450

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGTTTACTTTG 680
DB      1 GGTTTACTTTG 11

RESULT 1218
US-10-257-017B-304764/c
; Sequence 304764, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 304764
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021099
US-10-257-017B-304764

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGAT 754
DB      12 GGATTATTGAT 2

RESULT 1219
US-10-257-017B-304790/c
; Sequence 304790, Application US/10257017B
```

```

QY      672 TTTACTTTTCA 682
DB      12 TTTACTTTTCA 2

RESULT 1217
US-10-257-017B-304450
; Sequence 304450, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 304450
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020936
US-10-257-017B-304450

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGTTTACTTTG 680
DB      1 GGTTTACTTTG 11

RESULT 1218
US-10-257-017B-304764/c
; Sequence 304764, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 304764
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021099
US-10-257-017B-304764

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGAT 754
DB      12 GGATTATTGAT 2

RESULT 1219
US-10-257-017B-304790/c
; Sequence 304790, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 304790
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021115
US-10-257-017B-304790

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATGATAAT 757
Db 12 TTATGATTAT 2

RESULT 1220
US-10-257-017B-305265/c
; Sequence 305265, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 305265
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021363
US-10-257-017B-305265

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 755 AATATGGGTCA 765
Db 12 AATATGGGTAA 2

RESULT 1221
US-10-257-017B-305290
; Sequence 305290, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 305290
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021373
US-10-257-017B-305290

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 711 ATTGCTGTGGG 721
Db 1 ATTGCTGTGGG 11

RESULT 1222
US-10-257-017B-305323/c
; Sequence 305323, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 305323
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021388
US-10-257-017B-305323

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
Db 11 TATTATAATA 1

RESULT 1223
US-10-257-017B-305571/c
; Sequence 305571, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 305571
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021507
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US-10-257-017B-305571

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
DB 12 TGAGTATTATT 2

RESULT 1224
US-10-257-017B-306014
; Sequence 306014, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306014
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021767
US-10-257-017B-306014

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
DB 1 GGGTTTAGTTT 11

RESULT 1225
US-10-257-017B-306318/c
; Sequence 306318, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306318
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021943
US-10-257-017B-306318

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 722 CCATCTAGACC 732
DB 11 CCATCTATACC 1

RESULT 1226
US-10-257-017B-306391/c
; Sequence 306391, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306391
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021983
US-10-257-017B-306391

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
DB 12 ATAATATGGTT 2

RESULT 1227
US-10-257-017B-306406
; Sequence 306406, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306406
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021990
US-10-257-017B-306406

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
DB 2 TGAGGTTTATT 12

RESULT 1228
US-10-257-017B-306582
; Sequence 306582, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306582
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022072
US-10-257-017B-306582

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 751 TGATAATATGG 761
Db 1 TGTATATATGG 11

RESULT 1229
US-10-257-017B-307425/c
; Sequence 307425, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 307425
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022492
US-10-257-017B-307425

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 752 GATAATATGG 762
Db 11 GATTATATGG 1

RESULT 1230
US-10-257-017B-307975
; Sequence 307975, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 307975

; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022820
US-10-257-017B-307975

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 757
Db 2 TTGTGATAAT 12

RESULT 1231
US-10-257-017B-308210/c
; Sequence 308210, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 308210
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022912
US-10-257-017B-308210

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 751 TGATAATATGG 761
Db 12 TGATAATATGG 2

RESULT 1232
US-10-257-017B-308212/c
; Sequence 308212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 308212
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022912
US-10-257-017B-308212

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;

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Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 751 TGATAATATCG 761
Db 12 TGATAATATCG 2

RESULT 1233
US-10-257-017B-309019
; Sequence 309019, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 309019
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023324
US-10-257-017B-309019

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 748 TATGATAATA 759
Db 2 TAATGATAATA 12

RESULT 1234
US-10-257-017B-309151
; Sequence 309151, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 309151
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023387
US-10-257-017B-309151

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 668 AGGGTTTACTT 678
Db 1 AGGGTTTATTT 11

RESULT 1235
US-10-257-017B-309410/c
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; Sequence 309410, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 309410
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023511
US-10-257-017B-309410

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 749 ATTGATAATAT 759
Db 12 ATTATAATAT 2

RESULT 1236
US-10-257-017B-309457
; Sequence 309457, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 309457
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023536
US-10-257-017B-309457

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 749 ATTGATAATAT 759
Db 2 ATTGATAATAT 12

RESULT 1237
US-10-257-017B-309621/c
; Sequence 309621, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 309821
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023592
US-10-257-017B-309621

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 730 ACCTTTTACT 740
Db 12 ACTTTTACT 2

RESULT 1238
US-10-257-017B-310865
; Sequence 310865, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 310865
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0024174
US-10-257-017B-310865

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTAT 750
Db 2 TTGAGGTTTAT 12

RESULT 1239
US-10-257-017B-310902/c
; Sequence 310902, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 310902
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0024174
US-10-257-017B-310865

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTAT 750
Db 2 TTGAGGTTTAT 12

RESULT 1240
US-10-257-017B-311015
; Sequence 311015, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 311015
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0024273
US-10-257-017B-311016

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 669 GGGTTTACTTT 679
Db 2 GGGTTTATTTT 12

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0024199
US-10-257-017B-310902

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
Db 11 ATTGGTAATAT 1

RESULT 1240
US-10-257-017B-311015
; Sequence 311015, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 311015
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0024273
US-10-257-017B-311015

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 669 GGGTTTACTTT 679
Db 2 GGGTTTATTTT 12

RESULT 1241
US-10-257-017B-311016
; Sequence 311016, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 311016
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0024273
US-10-257-017B-311016

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 669 GGGTTTACTTT 679
Db 2 GGGTTTATTTT 12

RESULT 1241
US-10-257-017B-311016
; Sequence 311016, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 311016
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0024273
US-10-257-017B-311016

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 669 GGGTTTACTTT 679
Db 2 GGGTTTATTTT 12

```
Db      2 GGCTTTATTTT 12

RESULT 1242
US-10-257-017B-311246/c
; Sequence 311246, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 311246
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0024371
US-10-257-017B-311246

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      746 ATTATTCGATAA 756
      |||||
Db      12 ATTATTCGATAA 2

RESULT 1243
US-10-257-017B-312036/c
; Sequence 312036, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 312036
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0024814
US-10-257-017B-312036

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      748 TATTGATATA 758
      |||||
Db      12 TATTGATATA 2

RESULT 1244
US-10-257-017B-312210
; Sequence 312210, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 312210
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0024896
US-10-257-017B-312210

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      753 ATAATATCGGT 763
      |||||
Db      2 ATAATATCGGT 12

RESULT 1245
US-10-257-017B-312653
; Sequence 312653, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 312653
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025207
US-10-257-017B-312653

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      745 GATTATTCGATA 755
      |||||
Db      1 GATTATTCGATA 11

RESULT 1246
US-10-257-017B-312695
; Sequence 312695, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 312695
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0024814
US-10-257-017B-312695
```

; SEQ ID NO 312695
; LENGTH: 12

; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025241
US-10-257-017B-312695

Query Match

7.8%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750

Db 2 TTGAGATTAT 12

RESULT 1247

US-10-257-017B-312971

; Sequence 312971, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 312971

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025401
US-10-257-017B-312971

Query Match

7.8%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762

Db 2 GGTAAATATGGG 12

RESULT 1248

US-10-257-017B-313078

; Sequence 313078, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 313078

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025459
US-10-257-017B-313078

Query Match

7.8%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 667 GAGGGTTTACT 677

Db 1 GAGGGTTTAT 11

RESULT 1249

US-10-257-017B-314970/C

; Sequence 314970, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 314970

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026654
US-10-257-017B-314970

Query Match

7.8%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760

Db 11 TTGATTATATG 1

RESULT 1250

US-10-257-017B-315702

; Sequence 315702, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 315702

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027046
US-10-257-017B-315702

Query Match

7.8%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 729 GACCTTTTACC 739

Db 1 GACCTTTAACC 11

RESULT 1251

US-10-257-017B-316254/c
; Sequence 316254, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 316254
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027358
US-10-257-017B-316254

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 751 TGATAATATGG 761
Db 12 TGATAATATG 2

RESULT 1252
US-10-257-017B-316425/c
; Sequence 316425, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 316425
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027447
US-10-257-017B-316425

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 731 CCTTTTACCTT 741
Db 11 CCTTTTACTTT 1

RESULT 1253
US-10-257-017B-316445/c
; Sequence 316445, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 316445
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027455
US-10-257-017B-316445

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 672 TTTACTTTGCA 682
Db 12 TTTACTTTTCA 2

RESULT 1254
US-10-257-017B-317159
; Sequence 317159, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 317159
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027834
US-10-257-017B-317159

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 741 TGAGGATTATT 751
Db 2 TAAGGATTATT 12

RESULT 1255
US-10-257-017B-317527/c
; Sequence 317527, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 317527
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence

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; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028080
US-10-257-017B-317527

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTAT 750
Db      12 TTGGGGATTAT 2

RESULT 1256
US-10-257-017B-317606/c
; Sequence 317606, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 317606
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028135
US-10-257-017B-317606

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      752 GATAATATGGG 762
Db      11 GATAATATGAG 1

RESULT 1257
US-10-257-017B-317848
; Sequence 317848, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 317848
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028296
US-10-257-017B-317848

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      742 GAGGATTATTG 752
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Db      1 GTGGATTATTG 11

RESULT 1258
US-10-257-017B-318241/c
; Sequence 318241, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 318241
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028536
US-10-257-017B-318241

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      730 ACCTTTTACCT 740
Db      11 ACCTTTTAACT 1

RESULT 1259
US-10-257-017B-318659/c
; Sequence 318659, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 318659
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028792
US-10-257-017B-318659

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
Db      11 AGTGATAATAT 1

RESULT 1260
US-10-257-017B-318750
; Sequence 318750, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 318750
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028844
US-10-257-017B-318750

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTCATAA 756
DB      2 ATTATTCATAA 12

RESULT 1261
US-10-257-017B-319420
; Sequence 319420, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 319420
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029205
US-10-257-017B-319420

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAATA 758
DB      1 TATTGATAATA 11

RESULT 1262
US-10-257-017B-319568
; Sequence 319568, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 319568
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029677
US-10-257-017B-320374
; Sequence 320374, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 320374
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029677
US-10-257-017B-320374
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; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 319568
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029297
US-10-257-017B-319568

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTCATAA 756
DB      2 ATTATTCATAA 12

RESULT 1263
US-10-257-017B-319618
; Sequence 319618, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 319618
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029322
US-10-257-017B-319618

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      688 AGATATTCATT 698
DB      1 AGATATTCATT 11

RESULT 1264
US-10-257-017B-320374
; Sequence 320374, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 320374
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029677
US-10-257-017B-320374
```

```
Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      746 ATTATTGATAA 756
Db      1 ATTATTGATAA 11
|||||

RESULT 1265
US-10-257-017B-320797
; Sequence 320797, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 320797
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029987
US-10-257-017B-320797

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      730 ACCTTTTACT 740
Db      2 ACCTTTTACT 12
|||||

RESULT 1266
US-10-257-017B-320840
; Sequence 320840, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 320840
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029925
US-10-257-017B-320840

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      742 GAGGATTATTG 752
Db      1 GAGGATTATTG 11
|||||
```

```
RESULT 1267
US-10-257-017B-321324
; Sequence 321324, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 321324
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0030171
US-10-257-017B-321324

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      670 GGTTTACTTTG 680
Db      2 GGTTTACTTTG 12
|||||

RESULT 1268
US-10-257-017B-321442/c
; Sequence 321442, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 321442
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0030241
US-10-257-017B-321442

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      745 GATTATTGATA 755
Db      12 GATTATTGATA 2
|||||

RESULT 1269
US-10-257-017B-322574/c
; Sequence 322574, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 322574
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0030241
US-10-257-017B-322574/c
```

FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 322574
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide-Primer
US-10-257-017B-322574

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 730 ACCTTTTACCT 740
| | | | | | | | | |
Db 12 ACCTTTTAACT 2

RESULT 1270
US-10-257-017B-322672
; Sequence 322672, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 322672
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0030994
US-10-257-017B-322672

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 702 GTACCCGAAAT 712
| | | | | | | | | |
Db 1 GTACCCGAAAT 11

RESULT 1271
US-10-257-017B-323055/c
; Sequence 323055, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 323055
; LENGTH: 12
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0031201
US-10-257-017B-323055

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
| | | | | | | | | |
Db 11 ATAATGTGGGT 1

RESULT 1272
US-10-257-017B-323592/c
; Sequence 323592, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 323592
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0031477
US-10-257-017B-323592

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAAT 713
| | | | | | | | | |
Db 11 TACCCGAAAT 1

RESULT 1273
US-10-257-017B-324125/c
; Sequence 324125, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324125
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0031813
US-10-257-017B-324125

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;


```
QY 748 TATTGATAATA 758
Db 11 TATAGATAATA 1

RESULT 1274
US-10-257-017B-324438
; Sequence 324438, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324438
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032016
US-10-257-017B-324438

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 742 GAGGATATTG 752
Db 2 GAGGATATTG 12

RESULT 1275
US-10-257-017B-324502
; Sequence 324502, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324502
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032059
US-10-257-017B-324502

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGA 753
Db 2 AGGATTATTGA 12

RESULT 1276
US-10-257-017B-324753
; Sequence 324753, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324753
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032207
US-10-257-017B-324753

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
Db 1 CCTTTTACTTT 11

RESULT 1277
US-10-257-017B-324998
; Sequence 324998, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324998
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032340
US-10-257-017B-324998

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGG 762
Db 2 GATAATATGG 12

RESULT 1278
US-10-257-017B-324999
; Sequence 324999, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324999
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032340
US-10-257-017B-324999

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATCGG 762
| | | | | | | | | |
Db 2 GATAATATCGG 12

RESULT 1279
US-10-257-017B-325678
; Sequence 325678, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 325678
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032653
US-10-257-017B-325678

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
| | | | | | | | | |
Db 2 TTGAGGATTAT 12

RESULT 1280
US-10-257-017B-326010/c
; Sequence 326010, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 326010
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032853
US-10-257-017B-326010

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 664 ACAGAGGGTTT 674
| | | | | | | | | |
Db 12 AGAGAGGGTTT 2

RESULT 1281
US-10-257-017B-326022
; Sequence 326022, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 326022
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032859
US-10-257-017B-326022

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
| | | | | | | | | |
Db 2 GATTATTGATA 12

RESULT 1282
US-10-257-017B-326023
; Sequence 326023, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 326023
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032859
US-10-257-017B-326023

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
| | | | | | | | | |
Db 2 GATTATTGATA 12

```
RESULT 1283
US-10-257-017B-326127
; Sequence 326127, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 326127
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032924
US-10-257-017B-326127

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      727 TAGACCTTTTA 737
Db      2 TAAACCTTTTA 12

RESULT 1284
US-10-257-017B-326914
; Sequence 326914, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 326914
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033333
US-10-257-017B-326914

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      748 TATTCATAATA 758
Db      2 TATTCATAAAA 12

RESULT 1285
US-10-257-017B-327249/c
; Sequence 327249, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 327249
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033517
US-10-257-017B-327249

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      753 ATAATATGGGT 763
Db      12 ATAATAAGGT 2

RESULT 1286
US-10-257-017B-327583
; Sequence 327583, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 327583
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033748
US-10-257-017B-327583

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      747 TTATTCATAAT 757
Db      2 TTATTCATAAT 12

RESULT 1287
US-10-257-017B-328037
; Sequence 328037, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 328037
; LENGTH: 12
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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034042
US-10-257-017B-328037

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
Db 2 ATTAATAATAT 12

RESULT 1288
US-10-257-017B-328386/c
; Sequence 328386, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 328386
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034264
US-10-257-017B-328386

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 12 TTATTATAAT 2

RESULT 1289
US-10-257-017B-328587/c
; Sequence 328587, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 328587
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034403
US-10-257-017B-328587

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
QY 740 TTGAGGATTAT 750
Db 11 TTAAGGATTAT 1

RESULT 1290
US-10-257-017B-328980
; Sequence 328980, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 328980
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034691
US-10-257-017B-328980

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 689 GATATGATTG 699
Db 1 GATATGATTG 11

RESULT 1291
US-10-257-017B-328993/c
; Sequence 328993, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 328993
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034700
US-10-257-017B-328993

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 724 ATCTAGACCTT 734
Db 11 ATCTAAACCTT 1

RESULT 1292
US-10-257-017B-329730/c
; Sequence 329730, Application US/10257017B
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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 329730
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0035115
US-10-257-017B-329730

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      742 GAGGATTATTG 752
Db      12 GAGGATTGTTG 2

RESULT 1293
US-10-257-017B-330607
; Sequence 330607, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 330607
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0035617
US-10-257-017B-330607

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      755 AATATGGTGCA 765
Db      1 AATATGGGTTA 11

RESULT 1294
US-10-257-017B-330769
; Sequence 330769, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 330769
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0035733
US-10-257-017B-330769

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      753 AATATATGGGT 763
Db      2 AATATATGTTG 12

RESULT 1295
US-10-257-017B-331374/c
; Sequence 331374, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 331374
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036161
US-10-257-017B-331374

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      701 TGTACCCGAAA 711
Db      11 TATACCCGAAA 1

RESULT 1296
US-10-257-017B-331439/c
; Sequence 331439, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 331439
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036210

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US-10-257-017B-331439

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATAT 750

Db 11 TTGAGGATAT 1

RESULT 1297

US-10-257-017B-331923
; Sequence 331923, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 331923
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036590
US-10-257-017B-331923

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTCATAT 757

Db 2 TTATTCATAT 12

RESULT 1298

US-10-257-017B-332283
; Sequence 332283, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 332283
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036801
US-10-257-017B-332283

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATAT 750

Db 2 TTGAGGATAT 12

RESULT 1299

US-10-257-017B-332549
; Sequence 332549, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 332549
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036986
US-10-257-017B-332549

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTAATGAT 754

Db 2 GGATTAATGAT 12

RESULT 1300

US-10-257-017B-332565
; Sequence 332565, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 332565
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036994
US-10-257-017B-332565

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATATAT 759

Db 1 ATTGATATAT 11

RESULT 1301

US-10-257-017B-333057/c
; Sequence 333057, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

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; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 333057
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037331
US-10-257-017B-333057

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      672 TTTACTTTCCA 682
Db      11 TTTACTTTCCA 1

RESULT 1302
US-10-257-017B-333261/c
; Sequence 333261, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 333261
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037447
US-10-257-017B-333261

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      743 AGGATTATTGA 753
Db      11 AGGATTATTGA 1

RESULT 1303
US-10-257-017B-333355/c
; Sequence 333355, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 333355
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; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037492
US-10-257-017B-333355

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      743 AGGATTATTGA 753
Db      11 AGGATTATTGA 1

RESULT 1304
US-10-257-017B-333765/c
; Sequence 333765, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 333765
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037744
US-10-257-017B-333765

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      663 GACAGAGGGTT 673
Db      11 GACAGAGGGTT 1

RESULT 1305
US-10-257-017B-333872
; Sequence 333872, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 333872
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037799
US-10-257-017B-333872

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
```

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 730 ACCTTTTACT 740
| | | | | | | |
Db 2 ATCTTTTACT 12

RESULT 1306
US-10-257-017B-334645/c
; Sequence 334645, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 334645
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0038322
US-10-257-017B-334645

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
| | | | | | | |
Db 11 ATTATTGATAA 1

RESULT 1307
US-10-257-017B-335365
; Sequence 335365, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 335365
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0038771
US-10-257-017B-335365

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
| | | | | | | |
Db 2 TTAGGATTATT 12

RESULT 1308
US-10-257-017B-335788/c

; Sequence 335788, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 335788
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039014
US-10-257-017B-335788

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
| | | | | | | |
Db 12 ATTGATAATAT 2

RESULT 1309
US-10-257-017B-335857/c
; Sequence 335857, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 335857
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039065
US-10-257-017B-335857

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGAT 754
| | | | | | | |
Db 12 GGATTATTGAT 2

RESULT 1310
US-10-257-017B-335896/c
; Sequence 335896, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B


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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 335896
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039103
US-10-257-017B-335896

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 733 TTTTACGTTGCA 743
   |||||
Db 12 TTTTACGTTGCA 2

RESULT 1311
US-10-257-017B-336025/c
; Sequence 336025, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 336025
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039162
US-10-257-017B-336025

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
   |||||
Db 11 TTGAGGTTTAT 1

RESULT 1312
US-10-257-017B-336572/c
; Sequence 336572, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 336572
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039426
US-10-257-017B-336572

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
   |||||
Db 12 TGAGATTATT 2

RESULT 1313
US-10-257-017B-336851/c
; Sequence 336851, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 336851
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039552
US-10-257-017B-336851

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
   |||||
Db 12 GATTATTATA 2

RESULT 1314
US-10-257-017B-336888/c
; Sequence 336888, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 336888
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039573
US-10-257-017B-336888

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
   |||||
```

Db 11 GATTATTATA 1

RESULT 1315

US-10-257-017B-336948

; Sequence 336948, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 336948

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039608

US-10-257-017B-336948

Query Match 7.8%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 8.3e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TCATTAATATGG 761

Db 2 TAATAATATGG 12

RESULT 1316

US-10-257-017B-337895

; Sequence 337895, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 337895

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040131

US-10-257-017B-337895

Query Match 7.8%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 8.3e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 754 TAATATGGGTC 764

Db 2 TAATATAGGTC 12

RESULT 1317

US-10-257-017B-337951/c

; Sequence 337951, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 337951

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040166

US-10-257-017B-337951

Query Match 7.8%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 8.3e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759

Db 12 ATAGATAATAT 2

RESULT 1318

US-10-257-017B-337964

; Sequence 337964, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 337964

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040173

US-10-257-017B-337964

Query Match 7.8%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 8.3e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756

Db 2 ATTAGTGATAA 12

RESULT 1319

US-10-257-017B-338103

; Sequence 338103, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 338103
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040255
US-10-257-017B-338103

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 670 GGCTTACTTTG 680
Db 1 GGCTTACTTTG 11

RESULT 1320
US-10-257-017B-338442/c
; Sequence 338442, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338442
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040486
US-10-257-017B-338442

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 669 GGCTTACTTTT 679
Db 11 GGCTTACTTTT 1

RESULT 1321
US-10-257-017B-338443/c
; Sequence 338443, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338443
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040486
US-10-257-017B-338443

Query Match 7.8%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 669 GGCTTACTTTT 679
Db 11 GGCTTACTTTT 1

RESULT 1322
US-10-257-017B-338655
; Sequence 338655, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338655
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040611
US-10-257-017B-338655

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 757
Db 1 TTATTGATAAT 11

RESULT 1323
US-10-257-017B-338929
; Sequence 338929, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338929
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040751
US-10-257-017B-338929

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
Db 2 TATTGATAATA 12

RESULT 1324

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US-10-257-017B-339276/c
; Sequence 339276, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 339276
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006781
US-10-257-017B-339276

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      742 CAGGATTATG 752
DB      12 GUGGATTATG 2

RESULT 1325
US-10-257-017B-339723/c
; Sequence 339723, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 339723
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041152
US-10-257-017B-339723

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
DB      12 TGAGGATTATT 2

RESULT 1326
US-10-257-017B-340032
; Sequence 340032, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
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US-10-257-017B-340032
; Sequence 340032, Application US/10257,017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 340032
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041313
US-10-257-017B-340032

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 GATTATTGATA 755
DB      2 GATTATTGATA 12

RESULT 1327
US-10-257-017B-340356/c
; Sequence 340356, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 340356
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041481
US-10-257-017B-340356

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
DB      12 TGAGGATTATT 2

RESULT 1328
US-10-257-017B-340852
; Sequence 340852, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 340852
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
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; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041714
US-10-257-017B-340852

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
||| |||||
Db 1 TTAATAATATG 11

RESULT 1329
US-10-257-017B-341045/C
; Sequence 341045, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 341045
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008301
US-10-257-017B-341045

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATGATT 751
||| |||||
Db 11 TGAGGATGATT 1

RESULT 1330
US-10-257-017B-341085
; Sequence 341085, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 341085
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041845
US-10-257-017B-341085

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760

Db 1 TTGATAGTATG 11
||| |||||

RESULT 1331
US-10-257-017B-341196
; Sequence 341196, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 341196
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041921
US-10-257-017B-341196

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
||| |||||
Db 1 TTATTGATAAT 11

RESULT 1332
US-10-257-017B-341756
; Sequence 341756, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 341756
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042220
US-10-257-017B-341756

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATAT 750
||| |||||
Db 1 TTGAGGATAT 11

RESULT 1333
US-10-257-017B-342251/C
; Sequence 342251, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

```
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 342251
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042457
US-10-257-017B-342251

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      742 GAGGATTATTG 752
Db      11 GAAGATTATTG 1

RESULT 1334
US-10-257-017B-342544/c
/ Sequence 342544, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 342544
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042593
US-10-257-017B-342544

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      753 ATAATATGGGT 763
Db      12 ATGATATGGGT 2

RESULT 1335
US-10-257-017B-342554
/ Sequence 342554, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
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/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 342554
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042597
US-10-257-017B-342554

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      727 TAGACCTTTTA 737
Db      2 TAAACCTTTTA 12

RESULT 1336
US-10-257-017B-342555
/ Sequence 342555, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 342555
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042597
US-10-257-017B-342555

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      727 TAGACCTTTTA 737
Db      2 TAAACCTTTTA 12

RESULT 1337
US-10-257-017B-342939/c
/ Sequence 342939, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 342939
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042792
US-10-257-017B-342939
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Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTCATAA 756
| | | | | | | | | | | | | |
Db 12 ATTATTCATTA 2

RESULT 1338
US-10-257-017B-343228
; Sequence 343228, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343228
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042959
US-10-257-017B-343228

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 753 ATATATGCGT 763
| | | | | | | | | | | | | |
Db 2 ATATATGCGT 12

RESULT 1339
US-10-257-017B-343672/c
; Sequence 343672, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343672
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043193
US-10-257-017B-343672

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTCGATAAT 757
| | | | | | | | | | | | | |
Db 11 TTATTCGATAAT 1

RESULT 1340
US-10-257-017B-343957/c
; Sequence 343957, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343957
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043309
US-10-257-017B-343957

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTCATTAATA 758
| | | | | | | | | | | | | |
Db 12 TATTCATTAATA 2

RESULT 1341
US-10-257-017B-344658/c
; Sequence 344658, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344658
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043648
US-10-257-017B-344658

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 730 ACCTTTTACCT 740
| | | | | | | | | | | | | |
Db 11 ACCTTTTACCT 1

RESULT 1342
US-10-257-017B-344763
; Sequence 344763, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations

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; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344763
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009010
US-10-257-017B-344763

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAATA 758
Db      12 TATTGATAATA 11

RESULT 1343
US-10-257-017B-345233/c
; Sequence 345233, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 345233
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043928
US-10-257-017B-345233

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      733 TTTTACCTTGA 743
Db      12 TTTTACCTTAA 2

RESULT 1344
US-10-257-017B-345320/c
; Sequence 345320, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 345320
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044010
US-10-257-017B-345384

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
Db      2 ATTATTGATAA 12

RESULT 1345
US-10-257-017B-345384
; Sequence 345384, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 345384
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044115
US-10-257-017B-345613

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
Db      2 ATTATTGATAA 12

RESULT 1346
US-10-257-017B-345613/c
; Sequence 345613, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 345613
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044115
US-10-257-017B-345613

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 668 AGGTTTACTT 678
Db 11 AGGTTTAAAT 1

RESULT 1347
US-10-257-017B-346150
; Sequence 346150, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 346150
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044401
US-10-257-017B-346150

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTAAT 750
Db 1 TTGAGGATGAT 11

RESULT 1348
US-10-257-017B-346577/c
; Sequence 346577, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 346577
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044653
US-10-257-017B-346577

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATAA 756
Db 11 AGTATTGATAA 1

RESULT 1349
US-10-257-017B-346801
; Sequence 346801, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 346801
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044770
US-10-257-017B-346801

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATAA 756
Db 2 ATTATAGATAA 12

RESULT 1350
US-10-257-017B-346862/c
; Sequence 346862, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 346862
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044803
US-10-257-017B-346862

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 757
Db 12 TTATTGTTAAT 2

RESULT 1351
US-10-257-017B-347493
; Sequence 347493, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 347493
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044803
US-10-257-017B-347493
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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 347493
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045135
US-10-257-017B-347493

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      709 AAATTGCTGTG 719
Db      1 AAATTGATGTG 11

RESULT 1352
US-10-257-017B-348434/c
; Sequence 348434, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 348434
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045594
US-10-257-017B-348434

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
Db      11 TGAGGATTATT 1

RESULT 1353
US-10-257-017B-348622
; Sequence 348622, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 348622
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045676
US-10-257-017B-348622
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```

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGAT 754
Db      2 GGATTATTGAT 12

RESULT 1354
US-10-257-017B-349068/c
; Sequence 349068, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 349068
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045887
US-10-257-017B-349068

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      753 ATAATATGGGT 763
Db      11 AGAATATGGGT 1

RESULT 1355
US-10-257-017B-349579/c
; Sequence 349579, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 349579
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046219
US-10-257-017B-349579

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
Db      12 TGAGGATTATT 2
```

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RESULT 1356
US-10-257-017B-349627
; Sequence 349627, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 349627
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046238
US-10-257-017B-349627

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
   |||||
Db 1 TTATATATG 11

RESULT 1357
US-10-257-017B-350408
; Sequence 350408, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 350408
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046665
US-10-257-017B-350408

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
   |||||
Db 2 TTATTAATAAT 12

RESULT 1358
US-10-257-017B-350408/C
; Sequence 350408, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 350408
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046665
US-10-257-017B-350408

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
   |||||
Db 12 ATTATTAATAA 2

RESULT 1359
US-10-257-017B-351271
; Sequence 351271, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351271
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0047198
US-10-257-017B-351271

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
   |||||
Db 2 GATAATTGGG 12

RESULT 1360
US-10-257-017B-351448
; Sequence 351448, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351448
; LENGTH: 12
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0047328
US-10-257-017B-351448

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 2 TTTTGGATAAT 12

RESULT 1361
US-10-257-017B-351653/c
; Sequence 351653, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351653
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005302
US-10-257-017B-351653

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 11 TTTTATAAT 1

RESULT 1362
US-10-257-017B-351831/c
; Sequence 351831, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351831
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0047508
US-10-257-017B-351831

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

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QY 747 TTATTGATAAT 757
Db 11 TTTTGGATAAT 1

RESULT 1363
US-10-257-017B-352183/c
; Sequence 352183, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 352183
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009468
US-10-257-017B-352183

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAAT 759
Db 11 ATTGATAAT 1

RESULT 1364
US-10-257-017B-352841
; Sequence 352841, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 352841
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0048127
US-10-257-017B-352841

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 666 AGAGGGTTTAC 676
Db 2 AGAGGGTTTTC 12

RESULT 1365
US-10-257-017B-353008
; Sequence 353008, Application US/10257017B
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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 353008
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0048226
US-10-257-017B-353008

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
DB      1 ATTATAATAT 11

RESULT 1366
US-10-257-017B-353553
; Sequence 353553, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 353553
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0048568
US-10-257-017B-353553

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      730 ACCTTTTACCT 740
DB      1 AACTTTTACCT 11

RESULT 1367
US-10-257-017B-353661
; Sequence 353661, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 353661
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0048636
US-10-257-017B-353661

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGAT 754
DB      1 GGATTATTAT 11

RESULT 1368
US-10-257-017B-353813
; Sequence 353813, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 353813
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0048740
US-10-257-017B-353813

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      703 TACCCGAAATT 713
DB      2 TACCCAAATT 12

RESULT 1369
US-10-257-017B-353970
; Sequence 353970, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 353970
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0048821
US-10-257-017B-353970
```

US-10-257-017B-353970

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 750 TTGATAATATG 760
|||||
Db 2 TTGATAATATG 12

RESULT 1370
US-10-257-017B-354200/c
; Sequence 354200, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 354200
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0048971
US-10-257-017B-354200

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 759 TGGTCACAGAA 769
|||||
Db 11 TGGTAAGAA 1

RESULT 1371
US-10-257-017B-354448
; Sequence 354448, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 354448
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0049091
US-10-257-017B-354448

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTAT 750
|||||
Db 1 TTGAGGATTAT 11

RESULT 1372
US-10-257-017B-354853/c
; Sequence 354853, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 354853
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide-Primer
US-10-257-017B-354853

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 751 TGATAATATGG 761
|||||
Db 11 TGATAATATGG 1

RESULT 1373
US-10-257-017B-355671
; Sequence 355671, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 355671
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0049766
US-10-257-017B-355671

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
|||||
Db 1 ATTGATAATAT 11

RESULT 1374
US-10-257-017B-355783
; Sequence 355783, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 355783
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0049811
US-10-257-017B-355783

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 668 AGGGTTTACTT 678
Db 2 AGGGTTTATT 12
|||||

RESULT 1375
US-10-257-017B-355788
; Sequence 355788, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 355788
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0049814
US-10-257-017B-355788

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 725 TCTAGACCTTT 735
Db 2 TCTAAACCTTT 12
|||||

RESULT 1376
US-10-257-017B-355793
; Sequence 355793, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 355793

; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006567
US-10-257-017B-355793

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
Db 2 ATTGATAATAT 12
|||||

RESULT 1377
US-10-257-017B-356442
; Sequence 356442, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 356442
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050115
US-10-257-017B-356442

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
Db 2 TTGATAATATG 12
|||||

RESULT 1378
US-10-257-017B-356566
; Sequence 356566, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 356566
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide-Primer
US-10-257-017B-356566

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;

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Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 731 CCTTTACCTT 741
  |||||
Db 1 CCTTTACCTT 11

RESULT 1379
US-10-257-017B-356669
; Sequence 356669, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 356669
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050241
US-10-257-017B-356669

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
  |||||
Db 2 TTTTGATAATA 12

RESULT 1380
US-10-257-017B-356805
; Sequence 356805, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 356805
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0000659
US-10-257-017B-356805

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 670 GGTTTACTTTG 680
  |||||
Db 1 GGTTTATTG 11

RESULT 1381
US-10-257-017B-356839/c
```

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; Sequence 356839, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 356839
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050333
US-10-257-017B-356839

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 751 TGATATATGG 761
  |||||
Db 11 TGATATATGG 1

RESULT 1382
US-10-257-017B-357301/c
; Sequence 357301, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357301
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050553
US-10-257-017B-357301

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTAT 750
  |||||
Db 11 TAGAGGATTAT 1

RESULT 1383
US-10-257-017B-357695
; Sequence 357695, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357695
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050739
US-10-257-017B-357695

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 670 GGTACTTCTG 680
Db 2 GGTAAATTTG 12
|||||

RESULT 1384
US-10-257-017B-358461
; Sequence 358461, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358461
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051129
US-10-257-017B-358461

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 757
Db 2 TTATTGATAAT 12
|||||

RESULT 1385
US-10-257-017B-358517
; Sequence 358517, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358517
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007206
US-10-257-017B-358517

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 730 ACCTTTTACCT 740
Db 2 ACCTTATACCT 12
|||||

RESULT 1386
US-10-257-017B-358527/c
; Sequence 358527, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358527
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004873
US-10-257-017B-358527

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATA 755
Db 11 GATTATAGATA 1
|||||

RESULT 1387
US-10-257-017B-358869/c
; Sequence 358869, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358869
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051354
US-10-257-017B-358869

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATATAT 759
|||||

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Db      12 ATTCAATATAT 2
RESULT 1388
US-10-257-017B-358895/c
; Sequence 358895, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358895
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051367
US-10-257-017B-358895

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
Db      12 TTATAGATAAT 2

RESULT 1389
US-10-257-017B-359011
; Sequence 359011, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 359011
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051423
US-10-257-017B-359011

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
Db      2 TTATTATATAT 12

RESULT 1390
US-10-257-017B-359048/c
; Sequence 359048, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 359048
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051436
US-10-257-017B-359048

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
Db      12 TTTTGTATAAT 2

RESULT 1391
US-10-257-017B-359112/c
; Sequence 359112, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 359112
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009017
US-10-257-017B-359112

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      709 AAATTGCTGTG 719
Db      11 AAATTGCGGTG 1

RESULT 1392
US-10-257-017B-359492
; Sequence 359492, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
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; SEQ ID NO 359492
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051632
US-10-257-017B-359492

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
Db 2 ATTATAATAT 12

RESULT 1393
US-10-257-017B-359889/c
; Sequence 359889, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 359889
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051828
US-10-257-017B-359889

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 730 ACCTTTTACTT 740
Db 12 ACCTTTTACTT 2

RESULT 1394
US-10-257-017B-360303
; Sequence 360303, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360303
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052021
US-10-257-017B-360303

Query Match 7.8%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 688 AGATATTGATT 698
Db 1 AGATATTGATT 11

RESULT 1395
US-10-257-017B-360568/c
; Sequence 360568, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360568
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052137
US-10-257-017B-360568

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGA 753
Db 11 AGGATTATTAA 1

RESULT 1396
US-10-257-017B-361034
; Sequence 361034, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 361034
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052420
US-10-257-017B-361034

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 668 AGGGTTTACTT 678
Db 1 AGGGTTTATT 11

RESULT 1397

```
US-10-257-017B-361101/c
; Sequence 361101, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 361101
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052444
US-10-257-017B-361101

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 757 TATGGTCAAG 767
Db 12 TATGGTAAAG 2

RESULT 1398
US-10-257-017B-361491/c
; Sequence 361491, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 361491
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052663
US-10-257-017B-361491

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
Db 11 ATTAATAATAT 1

RESULT 1399
US-10-257-017B-361492/c
; Sequence 361492, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
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US-10-257-017B-361492/c
; Sequence 361492, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 361492
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052663
US-10-257-017B-361492

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
Db 11 ATTAATAATAT 1

RESULT 1400
US-10-257-017B-362586/c
; Sequence 362586, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 362586
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0053309
US-10-257-017B-362586

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 687 AGATAGTGTGAT 697
Db 11 AGATAGTGTGAT 1

RESULT 1401
US-10-257-017B-363066
; Sequence 363066, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 363066
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

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/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0053636
US-10-257-017B-363066

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      661 TGGACAGAGGG 671
      ||||| |||||
Db      2 TGGAGAGAGGG 12

RESULT 1402
US-10-257-017B-363501
; Sequence 363501, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 363501
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0053889
US-10-257-017B-363501

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
      ||||| |||||
Db      1 ATTGATTATAT 11

RESULT 1403
US-10-257-017B-363555
; Sequence 363555, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 363555
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0053936
US-10-257-017B-363555

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
      ||||| |||||
Db      1 TTATTGATAAT 11
```

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Db      2 TTATTGATAAT 12

RESULT 1404
US-10-257-017B-363687
; Sequence 363687, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 363687
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0054000
US-10-257-017B-363687

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      743 AGGATTATTGA 753
      ||||| |||||
Db      2 AGGATTATCGA 12

RESULT 1405
US-10-257-017B-363758
; Sequence 363758, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 363758
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0054044
US-10-257-017B-363758

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
      ||||| |||||
Db      1 TTATTGATAAT 11

RESULT 1406
US-10-257-017B-364245/c
; Sequence 364245, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 364245
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005300
US-10-257-017B-364245

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 743 AGGATTATGA 753
Db 11 AGGTTATTGA 1

RESULT 1407
US-10-257-017B-365402
; Sequence 365402, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 365402
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055096
US-10-257-017B-365402

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 757
Db 1 TTATTGATAAT 11

RESULT 1408
US-10-257-017B-365481
; Sequence 365481, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

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; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 365481
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055159
US-10-257-017B-365481

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 664 ACAGAGGGTTT 674
Db 2 AAAGAGGGTTT 12

RESULT 1409
US-10-257-017B-366446/c
; Sequence 366446, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366446
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055764
US-10-257-017B-366446

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATA 755
Db 12 GATTATTGTA 2

RESULT 1410
US-10-257-017B-366490/c
; Sequence 366490, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366490
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007966
US-10-257-017B-366490
```

```
Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      744 GGATTATTGAT 754
Db      12 GGTATTATGAT 2

RESULT 1411
US-10-257-017B-366622/c
; Sequence 366622, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366622
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055865
US-10-257-017B-366622

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      751 TGATAATATGG 761
Db      11 TGTAAATATGG 1

RESULT 1412
US-10-257-017B-366836/c
; Sequence 366836, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366836
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0056010
US-10-257-017B-366836

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      743 AGGATTATTGA 753
Db      12 AGTATTATTGA 2
```

```
RESULT 1413
US-10-257-017B-367661/c
; Sequence 367661, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 367661
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0056472
US-10-257-017B-367661

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      745 GATTATTGATA 755
Db      12 GATTATTATTA 2

RESULT 1414
US-10-257-017B-368199/c
; Sequence 368199, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368199
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007229
US-10-257-017B-368199

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      708 GAAATTGCTGT 718
Db      11 GAAATTGATGT 1

RESULT 1415
US-10-257-017B-368361
; Sequence 368361, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368361
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007229
US-10-257-017B-368361
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; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368561
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0056955
US-10-257-017B-368361

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTAT 750
Db      2 TTAGGATTAT 12

RESULT 1416
US-10-257-017B-368563/C
; Sequence 368563, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368563
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0057086
US-10-257-017B-368563

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      742 GAGGATTATTG 752
Db      11 GAGTATTATTG 1

RESULT 1417
US-10-257-017B-369243/C
; Sequence 369243, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 369243
; LENGTH: 12
; TYPE: DNA
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```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0057541
US-10-257-017B-369243

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      662 GGACAGAGGGT 672
Db      12 GGATAGAGGGT 2

RESULT 1418
US-10-257-017B-369302
; Sequence 369302, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 369302
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0057570
US-10-257-017B-369302

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      664 ACAGAGGGT 674
Db      2 ATAGAGGGT 12

RESULT 1419
US-10-257-017B-369623
; Sequence 369623, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 369623
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0057750
US-10-257-017B-369623

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 747 TTATTGATAAT 757
Db 2 TTATTGAGAA 12

RESULT 1420
US-10-257-017B-370067
; Sequence 370067, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 370067
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0057981
US-10-257-017B-370067

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGA 753
Db 2 AGGATTATTGA 12

RESULT 1421
US-10-257-017B-371097
; Sequence 371097, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371097
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058575
US-10-257-017B-371097

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGATACTG 695
Db 2 GGAAGATAGTG 12

RESULT 1422
US-10-257-017B-371225
; Sequence 371225, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371225
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006335
US-10-257-017B-371225

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
Db 1 TACCCGAAAT 11

RESULT 1423
US-10-257-017B-371409
; Sequence 371409, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371409
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058756
US-10-257-017B-371409

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 1 TATCGATAATA 11

RESULT 1424
US-10-257-017B-371659
; Sequence 371659, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371659
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058575
US-10-257-017B-371659

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371659
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001312
US-10-257-017B-371659

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 757 TATGGGTCAAG 767
Db 2 TATGGGTAAAG 12

RESULT 1425
US-10-257-017B-371907/c
; Sequence 371907, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371907
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059062
US-10-257-017B-371907

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 12 ATAGTATGGT 2

RESULT 1426
US-10-257-017B-372101/c
; Sequence 372101, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 372101
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059189
US-10-257-017B-372101
```

```

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
Db 11 TTGTTAATATG 1

RESULT 1427
US-10-257-017B-372446
; Sequence 372446, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 372446
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059397
US-10-257-017B-372446
```

```

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGAT 754
Db 2 GGATTATAGAT 12
```

```

RESULT 1428
US-10-257-017B-373020/c
; Sequence 373020, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 373020
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059788
US-10-257-017B-373020
```

```

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 12;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
Db 11 TGAGGATTTT 1
```

RESULT 1429
US-10-257-017B-373670
; Sequence 373670, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 373670
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010321
US-10-257-017B-373670

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 2 TTGTTGATAAT 12

RESULT 1430
US-10-257-017B-374030/c
; Sequence 374030, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 374030
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotid-Primer
US-10-257-017B-374030

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 12 TTATTGATAAT 2

RESULT 1431
US-10-257-017B-374281
; Sequence 374281, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 374281
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0060624
US-10-257-017B-374281

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 728 AGACCTTTTAC 738
Db 1 AAACCTTTTAC 11

RESULT 1432
US-10-257-017B-375319/c
; Sequence 375319, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 375319
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061200
US-10-257-017B-375319

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATATATG 760
Db 11 TTGGTATATG 1

RESULT 1433
US-10-257-017B-375491
; Sequence 375491, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 375491
; LENGTH: 12

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061287
US-10-257-017B-375491

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAATA 758
Db      2 TATTATAATA 12

RESULT 1434
US-10-257-017B-375808
; Sequence 375808, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 375808
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061457
US-10-257-017B-375808

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      703 TACCCGAATT 713
Db      2 TACCCGATATT 12

RESULT 1435
US-10-257-017B-375956/c
; Sequence 375956, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 375956
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061541
US-10-257-017B-375956

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      670 GGTTTACTTTG 680
Db      11 GGTTTATTTG 1

RESULT 1436
US-10-257-017B-376328/c
; Sequence 376328, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 376328
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061731
US-10-257-017B-376328

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 GATTATTGATA 755
Db      12 GATTATAGATA 2

RESULT 1437
US-10-257-017B-376349
; Sequence 376349, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 376349
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008448
US-10-257-017B-376349

Query Match      7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      751 TGATATATGG 761
Db      2 TGATATTATGG 12

RESULT 1438
US-10-257-017B-376398/c
; Sequence 376398, Application US/10257017B
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```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 376398
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061795
US-10-257-017B-376398

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 659 TTGGACAGAG 669
Db 11 TTGGACAGAG 1

RESULT 1439
US-10-257-017B-376525
; Sequence 376525, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 376525
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008741
US-10-257-017B-376525

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 741 TGAGATTATT 751
Db 1 TGAGATTATT 11

RESULT 1440
US-10-257-017B-376754
; Sequence 376754, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
```

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 376754
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061974
US-10-257-017B-376754

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 757
Db 1 TTATTGATAAT 11

RESULT 1441
US-10-257-017B-377036
; Sequence 377036, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 377036
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008338
US-10-257-017B-377036

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
Db 1 ATTGATAATAT 11

RESULT 1442
US-10-257-017B-377510
; Sequence 377510, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 377510
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062360
```

US-10-257-017B-377510

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
| | | | | | | |
Db 1 TGAGGATTATT 11

RESULT 1443

US-10-257-017B-377707/c
; Sequence 377707, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 377707
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062456
US-10-257-017B-377707

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGA 753
| | | | | | | |
Db 11 AGATTATTGA 1

RESULT 1444

US-10-257-017B-377976/c
; Sequence 377976, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 377976
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062566
US-10-257-017B-377976

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
| | | | | | | |
Db 11 TTGAAGATTAT 1

RESULT 1445

US-10-257-017B-378210/c
; Sequence 378210, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 378210
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062674
US-10-257-017B-378210

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGA 753
| | | | | | | |
Db 12 AAGATTATTGA 2

RESULT 1446

US-10-257-017B-378451/c
; Sequence 378451, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 378451
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005028
US-10-257-017B-378451

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
| | | | | | | |
Db 11 TATTGGTAATA 1

RESULT 1447

US-10-257-017B-378492
; Sequence 378492, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin

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; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 378492;
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062802
US-10-257-017B-378492

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
DB 2 TATTGATAATA 12

RESULT 1448
US-10-257-017B-379005
; Sequence 379005, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 379005
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0063028
US-10-257-017B-379005

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 730 ACCTTTACCT 740
DB 2 ACCTTTACCT 12

RESULT 1449
US-10-257-017B-379557/c
; Sequence 379557, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 379557
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; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0063337
US-10-257-017B-379557

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGT 763
DB 12 ATAATTGGT 2

RESULT 1450
US-10-257-017B-379659
; Sequence 379659, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 379659
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008634
US-10-257-017B-379659

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 1 TTATTGATAAT 11

RESULT 1451
US-10-257-017B-379659/c
; Sequence 379659, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 379659
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008634
US-10-257-017B-379659

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 1 TTATTGATAAT 11
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Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 746 ATTATTGATAA 756
    |||||
Db 11 ATTATTAATAA 1

RESULT 1452
US-10-257-017B-380621
; Sequence 380621, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 380621
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0063899
US-10-257-017B-380621

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 706 CCGAAATTGCT 716
    |||||
Db 1 CCGAAATTACT 11

RESULT 1453
US-10-257-017B-381328
; Sequence 381328, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 381328
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0064281
US-10-257-017B-381328

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 755 AATATGGGTCA 765
    |||||
Db 2 AATATGGGTCA 12

RESULT 1454
US-10-257-017B-381689/c
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; Sequence 381689, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 381689
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0064487
US-10-257-017B-381689

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 761 GGTCAAGAAAGT 771
    |||||
Db 12 GGTGAAGAAAGT 2

RESULT 1455
US-10-257-017B-381932/c
; Sequence 381932, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 381932
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0064643
US-10-257-017B-381932

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 741 TGAGGATTATT 751
    |||||
Db 12 TTAGGATTATT 2

RESULT 1456
US-10-708-951-18604
; Sequence 18604, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 18604
; LENGTH: 12
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-18604

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 36.4%; Pred. No. 8.3e+02;
Matches 4; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
   |||
Db 2 UUAUUUAUAAU 12

RESULT 1457
US-10-708-951-29909/c
; Sequence 29909, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29909
; LENGTH: 12
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-29909

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 710 AATTGCTGTGG 720
   |||
Db 11 AACTGCTGTGG 1

RESULT 1458
US-10-708-951-39475/c
; Sequence 39475, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 39475
; LENGTH: 12
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-39475

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 710 AATTGCTGTGG 720
   |||
Db 11 AACTGCTGTGG 1

RESULT 1459
US-10-708-951-42618/c
; Sequence 42618, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 42618
; LENGTH: 12
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-42618

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 710 AATTGCTGTGG 720
   |||
Db 11 AACTGCTGTGG 1

RESULT 1460
US-10-708-951-51769
; Sequence 51769, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 51769
; LENGTH: 12
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-51769

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 36.4%; Pred. No. 8.3e+02;
Matches 4; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
   |||
Db 2 UUAUUUAUAAU 12

RESULT 1461
US-10-257-017B-110673/c
; Sequence 110673, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Fiespenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosi
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110673
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110673
```

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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 18604
; LENGTH: 12
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-18604

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 36.4%; Pred. No. 8.3e+02;
Matches 4; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
   |||
Db 2 UUAUUUAUAAU 12

RESULT 1457
US-10-708-951-29909/c
; Sequence 29909, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29909
; LENGTH: 12
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-29909

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 710 AATTGCTGTGG 720
   |||
Db 11 AACTGCTGTGG 1

RESULT 1458
US-10-708-951-39475/c
; Sequence 39475, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 39475
; LENGTH: 12
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-39475

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 710 AATTGCTGTGG 720
   |||
Db 11 AACTGCTGTGG 1

RESULT 1459
US-10-708-951-42618/c
; Sequence 42618, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 42618
; LENGTH: 12
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-42618

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 8.3e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 710 AATTGCTGTGG 720
   |||
Db 11 AACTGCTGTGG 1

RESULT 1460
US-10-708-951-51769
; Sequence 51769, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 51769
; LENGTH: 12
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-51769

Query Match          7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 36.4%; Pred. No. 8.3e+02;
Matches 4; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
   |||
Db 2 UUAUUUAUAAU 12

RESULT 1461
US-10-257-017B-110673/c
; Sequence 110673, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Fiespenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosi
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110673
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110673
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Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
:|||||
Db 13 RATTATCAATAAT 1

RESULT 1462
US-10-257-017B-110674
; Sequence 110674, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110674
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110674

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
:|||||
Db 1 RATTATCAATAAT 13

RESULT 1463
US-10-257-017B-104319/c
; Sequence 104319, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104319
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104319

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
:|||||
Db 11 ATTATTATAA 1

RESULT 1464
US-10-257-017B-104320
; Sequence 104320, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104320
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104320

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
:|||||
Db 3 ATTATTATAA 13

RESULT 1465
US-10-257-017B-183267/c
; Sequence 183267, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183267
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045249
US-10-257-017B-183267

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
:|||||
Db 11 ATTATTATAA 1

RESULT 1466
US-10-257-017B-183268
; Sequence 183268, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
US-10-257-017B-183268

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183268
; TYPE: DNA
; LENGTH: 13
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045249
US-10-257-017B-183268

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
Db      3 ATTATTATAA 13

RESULT 1467
US-10-257-017B-461/c
; Sequence 461, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 461
; TYPE: DNA
; LENGTH: 13
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000079
US-10-257-017B-461

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
Db      11 ATTATTATAA 1

RESULT 1468
US-10-257-017B-462
; Sequence 462, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 462
; TYPE: DNA
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000079
US-10-257-017B-462

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
Db      3 ATTATTATAA 13

RESULT 1469
US-10-257-017B-9401/c
; Sequence 9401, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9401
; TYPE: DNA
; LENGTH: 13
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002483
US-10-257-017B-9401

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
Db      11 ATTATTATAA 1

RESULT 1470
US-10-257-017B-9402
; Sequence 9402, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9402
; TYPE: DNA
; LENGTH: 13
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002483
US-10-257-017B-9402

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY 746 ATTATTGATAA 756
 Db 3 ATTATTATAA 13

RESULT 1471

US-10-257-017B-82015/c
 ; Sequence 82015, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 82015

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020737

US-10-257-017B-82015

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
 Db 11 ATTATTATAA 1

RESULT 1472

US-10-257-017B-82016

; Sequence 82016, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 82016

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020737

US-10-257-017B-82016

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
 Db 3 ATTATTATAA 13

RESULT 1473

US-10-257-017B-104315

; Sequence 104315, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 104315

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075

US-10-257-017B-104315

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGTAATA 758
 Db 2 TATTGTAATA 12

RESULT 1474

US-10-257-017B-104316/c

; Sequence 104316, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 104316

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075

US-10-257-017B-104316

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGTAATA 758
 Db 12 TATTGTAATA 2

RESULT 1475

US-10-257-017B-104317/c

; Sequence 104317, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

;; PRIOR APPLICATION NUMBER: DE 10019173.8
;; PRIOR FILING DATE: 2000-04-07
;; NUMBER OF SEQ ID NOS: 382046
;; SEQ ID NO 104317
;; LENGTH: 13
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104317

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 12 TATTATAATA 2
|||||

RESULT 1476
US-10-257-017B-104318
; Sequence 104318, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104318
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104318

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 2 TATTATAATA 12
|||||

RESULT 1477
US-10-257-017B-122703/c
; Sequence 122703, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122703
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030669

US-10-257-017B-122703

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 13 TATTATAATA 3
|||||

RESULT 1478
US-10-257-017B-122704
; Sequence 122704, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytos
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122704
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030669
US-10-257-017B-122704

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 1 TATTATAATA 11
|||||

RESULT 1479
US-10-257-017B-252943/c
; Sequence 252943, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytos
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252943
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061696
US-10-257-017B-252943

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 13 TATTATAATA 3
|||||

```
RESULT 1480
US-10-257-017B-252944
; Sequence 252944, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252944
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061696
US-10-257-017B-252944

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 1 TATTGATAATA 11

RESULT 1481
US-10-257-017B-947
; Sequence 947, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 947
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000313
US-10-257-017B-947

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 1 ATTATATGGGT 11

RESULT 1482
US-10-257-017B-948/c
; Sequence 948, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 948
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000313
US-10-257-017B-948/c

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 1 ATTATATGGGT 11

RESULT 1483
US-10-257-017B-985
; Sequence 985, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 985
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000327
US-10-257-017B-985

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
Db 2 ATTGATGATAT 12

RESULT 1484
US-10-257-017B-986/c
; Sequence 986, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 986
```

```

; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000327
US-10-257-017B-986

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred.No.9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATTAAT 759
        |||||
Db       12 ATTGATGAT 2

RESULT 1485
US-10-257-017B-2281
; Sequence 2281, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2281
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000930
US-10-257-017B-2281

```

```

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
      |||||
Db      2 ATTATTGATGA 12

RESULT 1486
US-10-257-017B-2282/c
; Sequence 2282, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173-8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2282
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000930
US-10-257-017B-2282

```

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;

```

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      746 ATTATTGATAA 756
      |||||
Db      12 ATTATTGATCA 2

RESULT 1487
US-10-257-017B-2459/c
; Sequence 2459, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2459
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00006992
US-10-257-017B-2459

```

Query Match	7.8%;	Score 9.4;	DB 1;	Length 13;
Best Local Similarity	90.9%;	Pred. No. 9.2e+02;		
Matches 10;	Conservative	0;	Mismatches 1;	Indels 0;
Qy	703	TACCCGAAATT	713	
Db	12	TACCCGAAACT	2	

```

RESULT 1488
US-10-257-017B-2460
; Sequence 2460, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Beclin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosin
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2460
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000992
US-10-257-017B-2460

```

```

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      703  TACCGAAATT 713
          |||||
Db       2    TACCGAAACT 12

```

RESULT 1489
US-10-257-0178-2573

```
; Sequence 2573, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2573
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001037
US-10-257-017B-2573

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAAT 757
Db 2 TTATTGTAAT 12

RESULT 1490
US-10-257-017B-2574/c
; Sequence 2574, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2574
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001037
US-10-257-017B-2574

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAAT 757
Db 12 TTATTGTAAT 2

RESULT 1491
US-10-257-017B-2707
; Sequence 2707, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3027
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001073
US-10-257-017B-2707

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
Db 2 TTGTTAATATG 12

RESULT 1492
US-10-257-017B-2708/c
; Sequence 2708, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2708
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001073
US-10-257-017B-2708

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
Db 12 TTGTTAATATG 2

RESULT 1493
US-10-257-017B-3027
; Sequence 3027, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3027
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001073
US-10-257-017B-3027
```

```
; Sequence 2573, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2707
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001073
US-10-257-017B-2707

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
Db 2 TTGTTAATATG 12

RESULT 1492
US-10-257-017B-2708/c
; Sequence 2708, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2708
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001073
US-10-257-017B-2708

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
Db 12 TTGTTAATATG 2

RESULT 1493
US-10-257-017B-3027
; Sequence 3027, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3027
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001073
US-10-257-017B-3027
```


; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001173
US-10-257-017B-3027

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
| | | | | | | | | |
DB 1 AGTATTGATAA 11

RESULT 1494
US-10-257-017B-3028/c
; Sequence 3028, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3028
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001173
US-10-257-017B-3028

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
| | | | | | | | | |
DB 13 AGTATTGATAA 3

RESULT 1495
US-10-257-017B-3911
; Sequence 3911, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3911
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001498
US-10-257-017B-3911

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
| | | | | | | | | |

Db 1 GATGATTGATTAY 13

RESULT 1496
US-10-257-017B-3912/c
; Sequence 3912, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytos:
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3912
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001498
US-10-257-017B-3912

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
| | | | | | | | | |
DB 13 GATGATTGATTAY 1

RESULT 1497
US-10-257-017B-6093
; Sequence 6093, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytos:
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 6093
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001922
US-10-257-017B-6093

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATATATG 760
| | | | | | | | | |
DB 1 TTTATATATG 11

RESULT 1498
US-10-257-017B-6094/c
; Sequence 6094, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 6094
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001922
US-10-257-017B-6094

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 750 TTGATAATATG 760
Db 13 TTATATATATG 3

RESULT 1499
US-10-257-017B-6477
; Sequence 6477, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 6477
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001990
US-10-257-017B-6477

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 711 ATTGCTGTGGG 721
Db 1 ATTGTTGTGGG 11

RESULT 1500
US-10-257-017B-6478/c
; Sequence 6478, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 6478
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001990
US-10-257-017B-6478

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 711 ATTGCTGTGGG 721
Db 13 ATTGTTGTGGG 3

RESULT 1501
US-10-257-017B-7163/c
; Sequence 7163, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 7163
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002110
US-10-257-017B-7163

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCGAAATT 713
Db 12 TACACGAAATT 2

RESULT 1502
US-10-257-017B-7164
; Sequence 7164, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 7164
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002110
US-10-257-017B-7164

Query Match 7.8%; Score 9.4; DB 1; Length 13;

```
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCGAATTT 713
Db 2 TACACGAATTT 12

RESULT 1503
US-10-257-017B-7249
; Sequence 7249, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 7249
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002124
US-10-257-017B-7249

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 669 GGGTTTACTTT 679
Db 1 GGGTTTAAATTT 11

RESULT 1504
US-10-257-017B-7250/c
; Sequence 7250, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 7250
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002124
US-10-257-017B-7250

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 669 GGGTTTACTTT 679
Db 13 GGGTTTAAATTT 3

RESULT 1505
```

```
US-10-257-017B-8267/c
; Sequence 8267, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 8267
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002300
US-10-257-017B-8267

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
Db 12 ATTATAATAT 2

RESULT 1506
US-10-257-017B-8268
; Sequence 8268, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 8268
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002300
US-10-257-017B-8268

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
Db 2 ATTATAATAT 12

RESULT 1507
US-10-257-017B-9181
; Sequence 9181, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9181
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002442
US-10-257-017B-9181

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 752 GATATATGGGTC 764
||| ||||| :
Db 1 GATTATATGGT 13

RESULT 1508
US-10-257-017B-9182/c
; Sequence 9182, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9182
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002442
US-10-257-017B-9182

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 752 GATATATGGGTC 764
||| ||||| :
Db 13 GATTATATGGT 1

RESULT 1509
US-10-257-017B-9547
; Sequence 9547, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9547
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002508
US-10-257-017B-9547

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
||||||| :
Db 3 TTGAGGATTAT 13

RESULT 1510
US-10-257-017B-9548/c
; Sequence 9548, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9548
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002508
US-10-257-017B-9548

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
||||||| :
Db 11 TTGAGGATTAT 1

RESULT 1511
US-10-257-017B-9775
; Sequence 9775, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9775
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002542
US-10-257-017B-9775

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757

```
Db      3 TTTTGATAAT 13
RESULT 1512
US-10-257-017B-9776/c
; Sequence 9776, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 9776
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002542
US-10-257-017B-9776
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTCGATAAT 757
Db      11 TTTTGATAAT 1
RESULT 1513
US-10-257-017B-10483
; Sequence 10483, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 10483
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002646
US-10-257-017B-10483
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGGTTTACTTT 679
Db      1 GGGTTTATTTT 11
RESULT 1514
US-10-257-017B-10484/c
; Sequence 10484, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 10484
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002646
US-10-257-017B-10484
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGGTTTACTTT 679
Db      13 GGGTTTATTTT 3
RESULT 1515
US-10-257-017B-11239
; Sequence 11239, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 11239
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002757
US-10-257-017B-11239
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGGTTTACTTTG 680
Db      3 GGGTTTATTTG 13
RESULT 1516
US-10-257-017B-11240/c
; Sequence 11240, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 11240
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002757
US-10-257-017B-11240/c
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGGTTTACTTTG 680
Db      3 GGGTTTATTTG 13
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 11240
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002757
US-10-257-017B-11240

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 570 GGTATTACTTTG 680
| | | | | | | | | |
Db 11 GGTATTATTG 1

RESULT 1517
US-10-257-017B-13217
; Sequence 13217, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 13217
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003063
US-10-257-017B-13217

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
| | | | | | | | | |
Db 1 TATTGATAAAA 11

RESULT 1518
US-10-257-017B-13218/c
; Sequence 13218, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 13218
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003063
US-10-257-017B-13218

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
| | | | | | | | | |
Db 13 TATTGATAAAA 3

RESULT 1519
US-10-257-017B-13557
; Sequence 13557, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 13557
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003131
US-10-257-017B-13557

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
| | | | | | | | | |
Db 1 AATGATAATAT 11

RESULT 1520
US-10-257-017B-13558/c
; Sequence 13558, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 13558
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003131
US-10-257-017B-13558

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
| | | | | | | | | |
Db 13 AATGATAATAT 3

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RESULT 1521
US-10-257-017B-14825/c
; Sequence 14825, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 14825
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003332
US-10-257-017B-14825
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      703 TACCCGAAATT 713
Db      12 TCCCGGAAATT 2

RESULT 1522
US-10-257-017B-14826
; Sequence 14826, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 14826
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003332
US-10-257-017B-14826
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      703 TACCCGAAATT 713
Db      2 TCCCGGAAATT 12

RESULT 1523
US-10-257-017B-15875
; Sequence 15875, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

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; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15875
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003501
US-10-257-017B-15875
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      749 ATTGATAATAT 759
Db      1 ATTGATAAAT 11

RESULT 1524
US-10-257-017B-15876/c
; Sequence 15876, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15876
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003501
US-10-257-017B-15876
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      749 ATTGATAATAT 759
Db      13 ATTGATAAAT 3

RESULT 1525
US-10-257-017B-16399
; Sequence 16399, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16399
; LENGTH: 13
; TYPE: DNA
```

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003577
US-10-257-017B-16399

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGTTTACTTTG 680
Db      2 GGTTTAGTTTG 12
|||||

RESULT 1526
US-10-257-017B-16400/c
; Sequence 16400, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16400
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003577
US-10-257-017B-16400

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGTTTACTTTG 680
Db      12 GGTTTAGTTTG 2
|||||

RESULT 1527
US-10-257-017B-16597
; Sequence 16597, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16597
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003609
US-10-257-017B-16597

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGTTTACTTTG 680
Db      12 GGTTTAGTTTG 2
|||||
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QY      741 TGAGGATTATT 751
Db      3 TGAGGATTATT 13
|||||

RESULT 1528
US-10-257-017B-16598/c
; Sequence 16598, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16598
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003609
US-10-257-017B-16598

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
Db      11 TGAGGATTATT 1
|||||

RESULT 1529
US-10-257-017B-16967/c
; Sequence 16967, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16967
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003675
US-10-257-017B-16967

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      727 TAGACCTTTTA 737
Db      12 TAAACCTTTTA 2
|||||

RESULT 1530
US-10-257-017B-16968
; Sequence 16968, Application US/10257017B
; GENERAL INFORMATION:
```



```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16968
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003675
US-10-257-017B-16968

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 727 TAGACCTTTTA 737
   |||||
Db 2 TAAACCTTTTA 12

RESULT 1531
US-10-257-017B-19609
; Sequence 18609, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 18609
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003925
US-10-257-017B-18609

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 734 TTTACCTTGAG 744
   |||||
Db 3 TTTACGTTGAG 13

RESULT 1532
US-10-257-017B-18610/c
; Sequence 18610, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 18609
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004032
US-10-257-017B-19328
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 18610
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003925
US-10-257-017B-18610

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 734 TTTACCTTGAG 744
   |||||
Db 11 TTTACGTTGAG 1

RESULT 1533
US-10-257-017B-19327
; Sequence 19327, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 19327
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004032
US-10-257-017B-19327

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
   |||||
Db 2 ATAATATGGAT 12

RESULT 1534
US-10-257-017B-19328/c
; Sequence 19328, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 19328
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004032
US-10-257-017B-19328
```

```
Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
DB 12 ATAATATGGAT 2

RESULT 1535
US-10-257-017B-19937/c
; Sequence 19937, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 19937
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004106
US-10-257-017B-19937

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
DB 11 TACCCGAACT 1

RESULT 1536
US-10-257-017B-19938
; Sequence 19938, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 19938
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004106
US-10-257-017B-19938

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
DB 3 TACCCGAACT 13
```

```
RESULT 1537
US-10-257-017B-20005
; Sequence 20005, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20005
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004115
US-10-257-017B-20005

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 687 AAGATACTGAT 697
DB 2 AAGATACTGAT 12

RESULT 1538
US-10-257-017B-20006/c
; Sequence 20006, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20006
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004115
US-10-257-017B-20006

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 687 AAGATACTGAT 697
DB 12 AAGATACTGAT 2

RESULT 1539
US-10-257-017B-21577
; Sequence 21577, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 21577
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004332
US-10-257-017B-21577

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATAA 756
|||||
Db 2 ATTATTATAA 12

RESULT 1540
US-10-257-017B-21578/c
; Sequence 21578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 21578
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004332
US-10-257-017B-21578

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATAA 756
|||||
Db 12 ATTATTATAA 2

RESULT 1541
US-10-257-017B-21657
; Sequence 21657, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 21657
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004429
US-10-257-017B-22357

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004341
US-10-257-017B-21657

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTAT 750
|||||
Db 3 TTGAGGATTAT 13

RESULT 1542
US-10-257-017B-21658/c
; Sequence 21658, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 21658
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004341
US-10-257-017B-21658

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTAT 750
|||||
Db 11 TTGAGGATTAT 1

RESULT 1543
US-10-257-017B-22357
; Sequence 22357, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22357
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004429
US-10-257-017B-22357

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

US-10-257-017B-25302

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 756 ATATGGGTCAA 766
| | | | | | | | | | | | | | |
Db 13 ATATGGGTCAA 3

RESULT 1551

US-10-257-017B-25357

; Sequence 25357, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 25357
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006252

US-10-257-017B-25357

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGCG 762
| | | | | | | | | | | | | | |
Db 3 GATAATATGCG 13

RESULT 1552

US-10-257-017B-25358/c

; Sequence 25358, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 25358
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006252

US-10-257-017B-25358

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGCG 762
| | | | | | | | | | | | | | |
Db 11 GATAATATGCG 1

US-10-257-017B-25302

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 756 ATATGGGTCAA 766
| | | | | | | | | | | | | | |
Db 13 ATATGGGTCAA 3

RESULT 1551

US-10-257-017B-25357

; Sequence 25357, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 25357
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006252

US-10-257-017B-25357

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGCG 762
| | | | | | | | | | | | | | |
Db 3 GATAATATGCG 13

RESULT 1552

US-10-257-017B-25358/c

; Sequence 25358, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 25358
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006252

US-10-257-017B-25358

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGCG 762
| | | | | | | | | | | | | | |
Db 11 GATAATATGCG 1

```
RESULT 1553
US-10-257-017B-25789
; Sequence 25789, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 25789
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006530
US-10-257-017B-25789

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTAT 750
Db      3 TTGAGGTTAT 13

RESULT 1554
US-10-257-017B-25790/c
; Sequence 25790, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 25790
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006530
US-10-257-017B-25790

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTAT 750
Db      11 TTGAGGTTAT 1

RESULT 1555
US-10-257-017B-26433
; Sequence 26433, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26433
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006974
US-10-257-017B-26433

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTT 674
Db      13 AGAGAGGGTTT 3

RESULT 1557
US-10-257-017B-26585
; Sequence 26585, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26585
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26433
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006974
US-10-257-017B-26433

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTT 674
Db      1 AGAGAGGGTTT 11

RESULT 1556
US-10-257-017B-26434/c
; Sequence 26434, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26434
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006974
US-10-257-017B-26434

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      664 ACAGAGGGTTT 674
Db      13 AGAGAGGGTTT 3

RESULT 1557
US-10-257-017B-26585
; Sequence 26585, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26585
```

```

; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007076
US-10-257-017B-26586

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
   |||||
Db 2 TATAGATAATA 12

RESULT 1558
US-10-257-017B-26586/c
; Sequence 26586, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26586
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007076
US-10-257-017B-26586

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
   |||||
Db 12 TATAGATAATA 2

RESULT 1559
US-10-257-017B-26617
; Sequence 26617, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26617
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007093
US-10-257-017B-26617

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
   |||||
Db 12 TATAGATAATA 2

RESULT 1560
US-10-257-017B-26618/c
; Sequence 26618, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26618
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007093
US-10-257-017B-26618

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATATATGGGT 763
   |||||
Db 13 ATATATGGAT 3

RESULT 1561
US-10-257-017B-27633
; Sequence 27633, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27633
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007722
US-10-257-017B-27633

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTTATGGAT 754
   |||||
Db 2 GGATTTATGGAT 12

RESULT 1562
US-10-257-017B-27634/c

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Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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; Sequence 27634, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27634
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007722
US-10-257-017B-27634

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATGCAT 754
|||||
DB 12 GGATTATGCAT 2

RESULT 1563

US-10-257-017B-27789
; Sequence 27789, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27789
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007819
US-10-257-017B-27789

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
|||||
DB 1 TTATTGATAATAT 13

RESULT 1564

US-10-257-017B-27790/c
; Sequence 27790, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27790
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007819
US-10-257-017B-27790

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
|||||
DB 13 TTATTGATAATAT 1

RESULT 1565

US-10-257-017B-28363
; Sequence 28363, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 28363
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008084
US-10-257-017B-28363

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 664 ACAGAGGGTTT 674
|||||
DB 1 ACAGAGGGTTT 11

RESULT 1566

US-10-257-017B-28364/c
; Sequence 28364, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 28364
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:


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; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008084
US-10-257-017B-28364

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 664 ACAGAGGGTTT 674
Db 13 ACAGAGGGTTT 3

RESULT 1567
US-10-257-017B-30237
; Sequence 30237, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 30237
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009184
US-10-257-017B-30237

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 688 AGATATTGATT 698
Db 3 AGATATTGATT 13

RESULT 1568
US-10-257-017B-30238/c
; Sequence 30238, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 30238
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009184
US-10-257-017B-30238

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 688 AGATATTGATT 698
Db 3 AGATATTGATT 13
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```
Db 11 AGATATTGATT 1

RESULT 1569
US-10-257-017B-30567
; Sequence 30567, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 30567
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009334
US-10-257-017B-30567

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
Db 2 TTGATAATATG 12

RESULT 1570
US-10-257-017B-30568/c
; Sequence 30568, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 30568
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009334
US-10-257-017B-30568

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
Db 12 TTGATAATATG 2

RESULT 1571
US-10-257-017B-30731
; Sequence 30731, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 30731
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009446
US-10-257-017B-30731

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      708 GAAATTCCTGT 718
Db      2 GAAATTCCTGT 12

RESULT 1572
US-10-257-017B-30732/c
; Sequence 30732, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 30732
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009446
US-10-257-017B-30732

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      708 GAAATTCCTGT 718
Db      12 GAAATTCCTGT 2

RESULT 1573
US-10-257-017B-30767
; Sequence 30767, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

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; SEQ ID NO 30767
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009457
US-10-257-017B-30767

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      694 TGATTGCTGTA 704
Db      1 TGATTGCTGTA 11

RESULT 1574
US-10-257-017B-30768/c
; Sequence 30768, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 30768
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009457
US-10-257-017B-30768

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      694 TGATTGCTGTA 704
Db      13 TGATTGCTGTA 3

RESULT 1575
US-10-257-017B-31891/c
; Sequence 31891, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 31891
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009527
US-10-257-017B-31891

Query Match          7.8%; Score 9.4; DB 1; Length 13;
```

Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAAATT 713
Db 11 TACCCGATATT 1

RESULT 1576

US-10-257-017B-31892
; Sequence 31892, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 31892
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009927
US-10-257-017B-31892

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAAATT 713
Db 3 TACCCGATATT 13

RESULT 1577

US-10-257-017B-32335
; Sequence 32335, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32335
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010083
US-10-257-017B-32335

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAT 757
Db 2 TTATTGATAT 12

RESULT 1578

US-10-257-017B-32336/c
; Sequence 32336, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32336
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010083
US-10-257-017B-32336

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAT 757
Db 12 TTATTGATAT 2

RESULT 1579
US-10-257-017B-32905
; Sequence 32905, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32905
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010370
US-10-257-017B-32905

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATATAT 759
Db 1 ATTGATATAT 11

RESULT 1580
US-10-257-017B-32906/c
; Sequence 32906, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
US-10-257-017B-32906

; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32906
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010370
US-10-257-017B-32906

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
|||||
Db 13 ATTGATGATAT 3

RESULT 1581
US-10-257-017B-33579/c
; Sequence 33579, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 33579
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010709
US-10-257-017B-33579

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
|||||
Db 13 TATTATAATA 3

RESULT 1582
US-10-257-017B-33580
; Sequence 33580, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 33580
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010709
US-10-257-017B-33580

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
|||||
Db 1 TATTATAATA 11

RESULT 1583
US-10-257-017B-34411
; Sequence 34411, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 34411
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010980
US-10-257-017B-34411

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAAATATGGGT 763
|||||
Db 2 ATAAATATAGGT 12

RESULT 1584
US-10-257-017B-34412/c
; Sequence 34412, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 34412
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010980
US-10-257-017B-34412

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAAATATGGGT 763

```
Db      ||||| |||
12 ATAATAGGT 2

RESULT 1585
US-10-257-017B-34435
; Sequence 34435, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 34435
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010985
US-10-257-017B-34435

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      740 TTGAGGATTAT 750
Db      ||||| |||
3 TTAGGATTAT 13

RESULT 1586
US-10-257-017B-34436/c
; Sequence 34436, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 34436
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010985
US-10-257-017B-34436

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      740 TTGAGGATTAT 750
Db      ||||| |||
11 TTAGGATTAT 1

RESULT 1587
US-10-257-017B-35819
; Sequence 35819, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 35819
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011290
US-10-257-017B-35819

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      743 AGGATTATTGA 753
Db      ||||| |||
11 AGATTATTGA 1

RESULT 1588
US-10-257-017B-35820/c
; Sequence 35820, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 35820
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011290
US-10-257-017B-35820

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      743 AGGATTATTGA 753
Db      ||||| |||
11 AGATTATTGA 1

RESULT 1589
US-10-257-017B-36781
; Sequence 36781, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36781
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011290
US-10-257-017B-36781

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      743 AGGATTATTGA 753
Db      ||||| |||
11 AGATTATTGA 1
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36781
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011513
US-10-257-017B-36781

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTTCACGTTG 680
|||||
Db 1 GGTTCACGTTG 11

RESULT 1590
US-10-257-017B-36782/c
; Sequence 36782, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36782
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011513
US-10-257-017B-36782

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTTCACGTTG 680
|||||
Db 13 GGTTCACGTTG 3

RESULT 1591
US-10-257-017B-38587
; Sequence 38587, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 38587
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011894
US-10-257-017B-38587

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 661 TGGACAGAGGG 671
|||||
Db 1 TGGAAAGAGGG 11

RESULT 1592
US-10-257-017B-38588/c
; Sequence 38588, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 38588
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011894
US-10-257-017B-38588

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 661 TGGACAGAGGG 671
|||||
Db 13 TGGAAAGAGGG 3

RESULT 1593
US-10-257-017B-38807
; Sequence 38807, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 38807
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011941
US-10-257-017B-38807

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATCG 761
|||||
Db 1 TGATAATATAG 11

```
RESULT 1594
US-10-257-017B-38808/c
; Sequence 38808, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 38808
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011941
US-10-257-017B-38808

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 751 TGATAATATGG 761
Db 13 TGATAATATAG 3

RESULT 1595
US-10-257-017B-40475
; Sequence 40475, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40475
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012269
US-10-257-017B-40475

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 669 GGGTTTACTTTGC 681
Db 1 GTGTTTATTGTG 13

RESULT 1596
US-10-257-017B-40476/c
; Sequence 40476, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

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; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40476
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012269
US-10-257-017B-40476

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 669 GGGTTTACTTTGC 681
Db 13 GTGTTTATTGTG 1

RESULT 1597
US-10-257-017B-41471
; Sequence 41471, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41471
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012452
US-10-257-017B-41471

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 744 GGATTATTGAT 754
Db 2 GGATTATTAA 12

RESULT 1598
US-10-257-017B-41472/c
; Sequence 41472, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41472
; LENGTH: 13
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012452
US-10-257-017B-41472

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGAT 754
Db      12 GGATTATTAAAT 2

RESULT 1599
US-10-257-017B-41695
; Sequence 41695, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41695
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012507
US-10-257-017B-41695

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      659 TTGGACAGAG 669
Db      1 TTGGACAGAG 11

RESULT 1600
US-10-257-017B-41696/c
; Sequence 41696, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41696
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012507
US-10-257-017B-41696

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      659 TTGGACAGAG 669
Db      1 TTGGACAGAG 11

RESULT 1600
US-10-257-017B-41696/c
; Sequence 41696, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41696
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012507
US-10-257-017B-41696

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      659 TTGGACAGAG 669
Db      13 TTGGACAGAG 3

RESULT 1601
US-10-257-017B-41697
; Sequence 41697, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41697
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012507
US-10-257-017B-41697

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      659 TTGGACAGAG 669
Db      1 TTGGATAGAG 11

RESULT 1602
US-10-257-017B-41698/c
; Sequence 41698, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41698
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012507
US-10-257-017B-41698

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      659 TTGGACAGAG 669
Db      13 TTGGATAGAG 3

RESULT 1603
US-10-257-017B-41879
; Sequence 41879, Application US/10257017B
; GENERAL INFORMATION:
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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41879
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012552
US-10-257-017B-41879

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
Db      1 TGAGGATAATT 11

RESULT 1604
US-10-257-017B-41880/c
; Sequence 41880, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41880
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012552
US-10-257-017B-41880

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
Db      13 TGAGGATAATT 3

RESULT 1605
US-10-257-017B-43933/c
; Sequence 43933, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46031
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013345
US-10-257-017B-46031
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 43933
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012950
US-10-257-017B-43933

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      701 TGTACCCGAAA 711
Db      13 TATACCCGAAA 3

RESULT 1606
US-10-257-017B-43934
; Sequence 43934, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 43934
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012950
US-10-257-017B-43934

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      701 TGTACCCGAAA 711
Db      1 TATACCCGAAA 11

RESULT 1607
US-10-257-017B-46031
; Sequence 46031, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46031
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013345
US-10-257-017B-46031
```

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Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      742 GAGGATTATTG 752
Db      1 GAGGATTTTGG 11

RESULT 1608
US-10-257-017B-46032/c
; Sequence 46032, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46032
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013345
US-10-257-017B-46032

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      742 GAGGATTATTG 752
Db      13 GAGGATTTTGG 3

RESULT 1609
US-10-257-017B-46831
; Sequence 46831, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46831
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013487
US-10-257-017B-46831

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
Db      1 TGAGGATTTT 11

RESULT 1610
US-10-257-017B-46832/c
; Sequence 46832, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46832
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013487
US-10-257-017B-46832

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
Db      13 TGAGGATTTT 3

RESULT 1611
US-10-257-017B-47307
; Sequence 47307, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 47307
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013596
US-10-257-017B-47307

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATTAAT 757
Db      2 TTATTGATTAAT 12

RESULT 1612
US-10-257-017B-47308/c
; Sequence 47308, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 47308
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013596
US-10-257-017B-47308

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTCATAT 757
Db 12 TTATTCATAT 2

RESULT 1613
US-10-257-017B-47569
; Sequence 47569, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 47569
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013649
US-10-257-017B-47569

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 760 GGGTCACAGAG 770
Db 3 GGGTCAAGAG 13

RESULT 1614
US-10-257-017B-47570/c
; Sequence 47570, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 47570
; LENGTH: 13
```

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013649
US-10-257-017B-47570

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 760 GGGTCACAGAG 770
Db 11 GGGTCAAGAG 1

RESULT 1615
US-10-257-017B-47571
; Sequence 47571, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 47571
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013649
US-10-257-017B-47571

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 760 GGGTCACAGAG 770
Db 3 GGGTCAAGAG 13

RESULT 1616
US-10-257-017B-47572/c
; Sequence 47572, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 47572
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013649
US-10-257-017B-47572

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 760 GGGTCAAGAG 770
|||||
Db 11 GGGTCAAGAG 1

RESULT 1617

US-10-257-017B-48661/c

; Sequence 48661, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylation

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 48661

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013839

US-10-257-017B-48661

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 701 TGTACCCGAAA 711

|||||

Db 11 TGTACCCGAAA 1

RESULT 1618

US-10-257-017B-48662

; Sequence 48662, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylation

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 48662

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013839

US-10-257-017B-48662

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 701 TGTACCCGAAA 711

|||||

Db 3 TGTACCCGAAA 13

RESULT 1619

US-10-257-017B-49181

; Sequence 49181, Application US/10257017B

; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 49181
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013942
US-10-257-017B-49181

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756

|||||

Db 1 ATTATTGATAA 11

RESULT 1620

US-10-257-017B-49182/c

; Sequence 49182, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylation

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 49182

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013942

US-10-257-017B-49182

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756

|||||

Db 13 ATTATTGATAA 3

RESULT 1621

US-10-257-017B-49435

; Sequence 49435, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylation

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 49435
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013982
US-10-257-017B-49435

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      671 GTTACTTTC 681
Db      2 GTTACGTTGC 12

RESULT 1622
US-10-257-017B-49436/c
; Sequence 49436, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 49436
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013982
US-10-257-017B-49436

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      671 GTTACTTTC 681
Db      12 GTTACGTTGC 2

RESULT 1623
US-10-257-017B-50893
; Sequence 50893, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 50893
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014250
US-10-257-017B-50893

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      671 GTTACTTTC 681
Db      12 GTTACGTTGC 2

RESULT 1624
US-10-257-017B-50894/c
; Sequence 50894, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 50894
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014250
US-10-257-017B-50894

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      747 TTATTGATAAT 757
Db      11 TTATTGATAAT 1

RESULT 1625
US-10-257-017B-50987
; Sequence 50987, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 50987
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014268
US-10-257-017B-50987

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      740 TTGAGGATTAT 750
Db      3 TTGAGTATTAT 13
```

US-10-257-017B-50893

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 757
Db 3 TTATTGATAAT 13

RESULT 1624

US-10-257-017B-50894/c
; Sequence 50894, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 50894
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014250
US-10-257-017B-50894

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 757
Db 11 TTATTGATAAT 1

RESULT 1625

US-10-257-017B-50987
; Sequence 50987, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 50987
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014268
US-10-257-017B-50987

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 740 TTGAGGATTAT 750
Db 3 TTGAGTATTAT 13

```

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51566
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014384
US-10-257-017B-51566

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
      ||| |||||
Db      13 TGATGATTATT 3

RESULT 1629
US-10-257-017B-51957
; Sequence 51957, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51957
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014474
US-10-257-017B-51957

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAATA 758
      ||| |||||
Db      3 TATTGTTAATA 13

RESULT 1630
US-10-257-017B-51958/c
; Sequence 51958, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51958
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; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 50988
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014268
US-10-257-017B-50988

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTAT 750
      ||| |||||
Db      11 TTGAGTATTAT 1

RESULT 1627
US-10-257-017B-51565
; Sequence 51565, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51565
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014384
US-10-257-017B-51565

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
      ||| |||||
Db      1 TGATGATTATT 11

RESULT 1628
US-10-257-017B-51566/c
; Sequence 51566, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014474
US-10-257-017B-51958

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TTATGATAATA 758
Db 11 TTATGTTAATA 1

RESULT 1631
US-10-257-017B-52525
; Sequence 52525, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 52525
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014574
US-10-257-017B-52525

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
Db 2 TTAGGATTAT 12

RESULT 1632
US-10-257-017B-52526/c
; Sequence 52526, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 52526
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014574
US-10-257-017B-52526

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
Db 2 TTAGGATTAT 12

RESULT 1633
US-10-257-017B-52526/c
; Sequence 52526, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 52526
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014574
US-10-257-017B-52526

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
Db 12 TTAGGATTAT 2

RESULT 1633
US-10-257-017B-53693
; Sequence 53693, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53693
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014801
US-10-257-017B-53693

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 694 TGATTGCTGTA 704
Db 1 TGATTGTTGTA 11

RESULT 1634
US-10-257-017B-53694/c
; Sequence 53694, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53694
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014801
US-10-257-017B-53694

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 694 TGATTGCTGTA 704
Db 13 TGATTGTTGTA 3

RESULT 1635
US-10-257-017B-53695
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; Sequence 53695, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53695
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014801
US-10-257-017B-53695

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      694 TGATTGCTGTA 704
      |||||
Db      1 TGATTGATGTA 11

RESULT 1636
US-10-257-017B-53696/c
; Sequence 53696, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53696
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014801
US-10-257-017B-53696

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      694 TGATTGCTGTA 704
      |||||
Db      13 TGATTGATGTA 3

RESULT 1637
US-10-257-017B-54019/c
; Sequence 54019, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54019
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014859
US-10-257-017B-54019

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      748 TATTGATAATA 758
      |||||
Db      12 TATTGATAATA 2

RESULT 1638
US-10-257-017B-54020
; Sequence 54020, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54020
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014859
US-10-257-017B-54020

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      748 TATTGATAATA 758
      |||||
Db      2 TATTGATAATA 12

RESULT 1639
US-10-257-017B-54259
; Sequence 54259, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54259
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```


; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014894
US-10-257-017B-54259

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
|||||
Db 1 TTGAGGATTTT 11

RESULT 1640
US-10-257-017B-54260/C
; Sequence 54260, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54260
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014894
US-10-257-017B-54260

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
|||||
Db 13 TTGAGGATTTT 3

RESULT 1641
US-10-257-017B-54623
; Sequence 54623, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54623
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014972
US-10-257-017B-54623

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 711 ATTGCTGTGGG 721
|||||

Db 1 ATTGCTGTGGG 11

RESULT 1642
US-10-257-017B-54624/C
; Sequence 54624, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54624
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014972
US-10-257-017B-54624

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 711 ATTGCTGTGGG 721
|||||
Db 13 ATTGCTGTGGG 3

RESULT 1643
US-10-257-017B-54937/C
; Sequence 54937, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54937
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015045
US-10-257-017B-54937

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
|||||
Db 11 TACCCGAAAT 1

RESULT 1644
US-10-257-017B-54938
; Sequence 54938, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54938
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015045
US-10-257-017B-54938

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCGAAATT 713
Db 3 TACCGAAAT 13

RESULT 1645
US-10-257-017B-57265
; Sequence 57265, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 57265
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015488
US-10-257-017B-57265

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 727 TAGACCTTTTA 737
Db 2 TAGACGTTTA 12

RESULT 1646
US-10-257-017B-57266/c
; Sequence 57266, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
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```
; SEQ ID NO 57266
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015488
US-10-257-017B-57266

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 727 TAGACCTTTTA 737
Db 12 TAGACGTTTA 2

RESULT 1647
US-10-257-017B-57983
; Sequence 57983, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 57983
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015579
US-10-257-017B-57983

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 1 TATTGATAATA 11

RESULT 1648
US-10-257-017B-57984/c
; Sequence 57984, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 57984
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015579
US-10-257-017B-57984

Query Match          7.8%; Score 9.4; DB 1; Length 13;
```

Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
DB 13 TATGATAATA 3

RESULT 1649
US-10-257-017B-58451
; Sequence 58451, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58451
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015681
US-10-257-017B-58451

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
DB 1 TTGAGATTAT 11

RESULT 1650
US-10-257-017B-58452/c
; Sequence 58452, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58452
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015681
US-10-257-017B-58452

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
DB 13 TTGAGATTAT 3

RESULT 1651

US-10-257-017B-59819/c
; Sequence 59819, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59819
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016003
US-10-257-017B-59819

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
DB 11 TACCCGAACTT 1

RESULT 1652
US-10-257-017B-59820
; Sequence 59820, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59820
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016003
US-10-257-017B-59820

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
DB 3 TACCCGAACTT 13

RESULT 1653
US-10-257-017B-60061
; Sequence 60061, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60061
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016049
US-10-257-017B-60061

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGAT 754
|||||
DB 2 GGATTATTGAT 12

RESULT 1654

US-10-257-017B-60062/c
; Sequence 6062, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60062
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016049
US-10-257-017B-60062

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGAT 754
|||||
DB 12 GGATTATTGAT 2

RESULT 1655

US-10-257-017B-60265
; Sequence 6065, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60265
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016099
US-10-257-017B-60265

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATGG 761
|||||
DB 3 TGATAATATGG 13

RESULT 1656

US-10-257-017B-60266/c
; Sequence 6066, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60266
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016099
US-10-257-017B-60266

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATGG 761
|||||
DB 11 TGATAATATGG 1

RESULT 1657

US-10-257-017B-61505
; Sequence 61505, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 61505
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016364
US-10-257-017B-61505

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 733 TTTTACCTTGA 743

```
Db      2 TTTACGTTGA 12
||||| |||
RESULT 1658
US-10-257-017B-61506/c
; Sequence 61506, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 61506
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016364
US-10-257-017B-61506

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      733 TTTTACCTTGA 743
||||| |||
Db      12 TTTTACGTTGA 2

RESULT 1659
US-10-257-017B-61817
; Sequence 61817, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 61817
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016430
US-10-257-017B-61817

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      747 TTATGATAAT 757
||||| |||
Db      2 TTATAGATAAT 12

RESULT 1660
US-10-257-017B-61818/c
; Sequence 61818, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 61818
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016430
US-10-257-017B-61818

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      747 TTATGATAAT 757
||||| |||
Db      12 TTATAGATAAT 2

RESULT 1661
US-10-257-017B-63181
; Sequence 63181, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 63181
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016690
US-10-257-017B-63181

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      740 TTGAGGATTAT 750
||||| |||
Db      3 TTGAGGATTAT 13

RESULT 1662
US-10-257-017B-63182/c
; Sequence 63182, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 63182
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016873
US-10-257-017B-63182

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATAT 750
Db      11 TTGAGGATAT 1

RESULT 1663
US-10-257-017B-63921
; Sequence 63921, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 63921
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016873
US-10-257-017B-63921

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTCATAT 757
Db      1 TTATTCATAT 11

RESULT 1664
US-10-257-017B-63922/c
; Sequence 63922, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 63922
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016873
US-10-257-017B-63922
```

```
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTCATAT 757
Db      13 TTATTCATAT 3

RESULT 1665
US-10-257-017B-64427
; Sequence 64427, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64427
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016992
US-10-257-017B-64427

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGGTTTACTTT 679
Db      1 GGGTTTACTTT 11

RESULT 1666
US-10-257-017B-64428/c
; Sequence 64428, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64428
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016992
US-10-257-017B-64428

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGGTTTACTTT 679
Db      13 GGGTTTACTTT 3
```

```
RESULT 1667
US-10-257-017B-64487
; Sequence 64487, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64487
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017005
US-10-257-017B-64487

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 0; Gaps 0;

QY 664 ACAGAGGGTTT 674
Db 1 ATAGAGGGTTT 11

RESULT 1668
US-10-257-017B-64488/c
; Sequence 64488, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64488
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017005
US-10-257-017B-64488

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 0; Gaps 0;

QY 664 ACAGAGGGTTT 674
Db 13 ATAGAGGGTTT 3

RESULT 1669
US-10-257-017B-66941
; Sequence 66941, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
```

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; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66941
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017541
US-10-257-017B-66941

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 0; Gaps 0;

QY 742 GAGGATTATTG 752
Db 3 GAGTATTATTG 13

RESULT 1670
US-10-257-017B-66942/c
; Sequence 66942, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66942
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017541
US-10-257-017B-66942

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 0; Gaps 0;

QY 742 GAGGATTATTG 752
Db 11 GAGTATTATTG 1

RESULT 1671
US-10-257-017B-68085/c
; Sequence 68085, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 68085
; LENGTH: 13
; TYPE: DNA
```

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017780
US-10-257-017B-68085

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTT 736
Db 12 CTAAACCTTTT 2

RESULT 1672
US-10-257-017B-69086
; Sequence 69086, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 69086
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017780
US-10-257-017B-68086

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTTT 736
Db 2 CTAAACCTTTT 12

RESULT 1673
US-10-257-017B-69003
; Sequence 69003, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 69003
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017968
US-10-257-017B-69003

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 726 CTAGACCTTTT 736
Db 2 CTAAACCTTTT 12

RESULT 1674
US-10-257-017B-69004/c
; Sequence 69004, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 69004
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017968
US-10-257-017B-69004

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 752 GATAATATGGGTC 764
Db 13 GTTAGTATGGGTY 13

RESULT 1675
US-10-257-017B-69011
; Sequence 69011, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 69011
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017968
US-10-257-017B-69011

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTTTACTTTG 680
Db 1 GGTTTACGTTG 11

RESULT 1676
US-10-257-017B-69012/c
; Sequence 69012, Application US/10257017B
; GENERAL INFORMATION:
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QY 752 GATAATATGGGTC 764
Db 1 GTTAGTATGGGTY 13

RESULT 1674
US-10-257-017B-69004/c
; Sequence 69004, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 69004
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017968
US-10-257-017B-69004

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 752 GATAATATGGGTC 764
Db 13 GTTAGTATGGGTY 13

RESULT 1675
US-10-257-017B-69011
; Sequence 69011, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 69011
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017968
US-10-257-017B-69011

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTTTACTTTG 680
Db 1 GGTTTACGTTG 11

RESULT 1676
US-10-257-017B-69012/c
; Sequence 69012, Application US/10257017B
; GENERAL INFORMATION:
```



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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 69012
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017968
US-10-257-017B-69012

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTACTTCTTG 680
DB 13 GGTACTTCTTG 3

RESULT 1677
US-10-257-017B-69135/c
; Sequence 69135, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 69135
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017994
US-10-257-017B-69135

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 702 GTACCCGAAAT 712
DB 12 GTACTCGAAAT 2

RESULT 1678
US-10-257-017B-69136
; Sequence 69136, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 69136
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018210
US-10-257-017B-69136

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 69136
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017994
US-10-257-017B-69136

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 702 GTACCCGAAAT 712
DB 2 GTACTCGAAAT 12

RESULT 1679
US-10-257-017B-69981
; Sequence 69981, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 69981
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018210
US-10-257-017B-69981

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
DB 3 GATTATTGTTA 13

RESULT 1680
US-10-257-017B-69982/c
; Sequence 69982, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 69982
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018210
US-10-257-017B-69982

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Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATA 755
Db 11 GATTATTGTA 1

RESULT 1681
US-10-257-017B-70047
; Sequence 70047, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 70047
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018226
US-10-257-017B-70047

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 741 TGAGGATTATT 751
Db 2 TTAGGATTATT 12

RESULT 1682
US-10-257-017B-70048/c
; Sequence 70048, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 70048
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018226
US-10-257-017B-70048

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 741 TGAGGATTATT 751
Db 12 TTAGGATTATT 2
```

```
RESULT 1683
US-10-257-017B-70709/c
; Sequence 70709, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 70709
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018357
US-10-257-017B-70709

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAATT 713
Db 12 TACCCGAATT 2

RESULT 1684
US-10-257-017B-70710
; Sequence 70710, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 70710
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018357
US-10-257-017B-70710

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAATT 713
Db 2 TACCCGAATT 12

RESULT 1685
US-10-257-017B-71237/c
; Sequence 71237, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71237
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018458
US-10-257-017B-71237

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 13 RTAATTATAATA 1

RESULT 1686
US-10-257-017B-71238
; Sequence 71238, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71238
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018458
US-10-257-017B-71238

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 1 RTAATTATAATA 13

RESULT 1687
US-10-257-017B-71239/c
; Sequence 71239, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71239
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018458
US-10-257-017B-71239

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 13 RTAATTATAATA 1

RESULT 1688
US-10-257-017B-71240
; Sequence 71240, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71240
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018458
US-10-257-017B-71240

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAATA 758
Db 1 RTAATTATAATA 13

RESULT 1689
US-10-257-017B-71633
; Sequence 71633, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71633
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018535
US-10-257-017B-71633

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTCATAATAT 759
| | | | | | | | | |
Db 1 TTATTCATTTTAY 13

RESULT 1690

US-10-257-017B-71634/C

; Sequence 71634, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 71634

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018535

US-10-257-017B-71634

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 76.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTCATAATAT 759
| | | | | | | | | |
Db 13 TTATTCATTTTAY 1

RESULT 1691

US-10-257-017B-72647

; Sequence 72647, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 72647

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018772

US-10-257-017B-72647

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATA 755
| | | | | | | | | |
Db 1 GGTTATTGATA 11

RESULT 1692

US-10-257-017B-72648/C

; Sequence 72648, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 72648

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018772

US-10-257-017B-72648

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATA 755
| | | | | | | | | |
Db 13 GGTTATTGATA 3

RESULT 1693

US-10-257-017B-75375

; Sequence 75375, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 75375

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019341

US-10-257-017B-75375

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
| | | | | | | | | |
Db 1 TATTGAGATA 11

RESULT 1694

US-10-257-017B-75376/C

; Sequence 75376, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75376
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019341
US-10-257-017B-75376

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
Db 13 TATTGAGATA 3

RESULT 1695
US-10-257-017B-75377
; Sequence 75377, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75377
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019341
US-10-257-017B-75377

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
Db 1 TATTGAGATA 11

RESULT 1696
US-10-257-017B-75378/c
; Sequence 75378, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75378
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019341
US-10-257-017B-75378
```

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US-10-257-017B-75378

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
Db 13 TATTGAGATA 3

RESULT 1697
US-10-257-017B-75877/c
; Sequence 75877, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75877
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019443
US-10-257-017B-75877

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 729 GACCTTTTACC 739
Db 12 GACCTTTTACC 2

RESULT 1698
US-10-257-017B-75878
; Sequence 75878, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75878
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019443
US-10-257-017B-75878

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 729 GACCTTTTACC 739
Db 2 GACCTTTTACC 12
```

RESULT 1699
 US-10-257-017B-78693
 ; Sequence 78693, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: US/10/257,017B
 ; PRIOR FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 78693
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020039
 US-10-257-017B-78693

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATGG 761
 |||||
 Db 1 TTATAATATGG 11

RESULT 1700
 US-10-257-017B-78694/c
 ; Sequence 78694, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: US/10/257,017B
 ; PRIOR FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 78694
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020039
 US-10-257-017B-78694

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATGG 761
 |||||
 Db 13 TTATAATATGG 3

RESULT 1701
 US-10-257-017B-80071
 ; Sequence 80071, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: US/10/257,017B
 ; PRIOR FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 80071
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020327
 US-10-257-017B-80071

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAAT 757
 |||||
 Db 2 TTATTGTAAT 12

RESULT 1702
 US-10-257-017B-80072/c
 ; Sequence 80072, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: US/10/257,017B
 ; PRIOR FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 80072
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020327
 US-10-257-017B-80072

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAAT 757
 |||||
 Db 12 TTATTGTAAT 2

RESULT 1703
 US-10-257-017B-80273
 ; Sequence 80273, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: US/10/257,017B
 ; PRIOR FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 80273

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020365
US-10-257-017B-80273

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
   |||||
Db 1 TTGAGGGTTAT 11

RESULT 1704
US-10-257-017B-80274/c
; Sequence 80274, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80274
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020365
US-10-257-017B-80274

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
   |||||
Db 1 TTGAGGGTTAT 3

RESULT 1705
US-10-257-017B-80279
; Sequence 80279, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80279
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020365
US-10-257-017B-80279

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
   |||||
Db 1 TTGAGGGTTAT 3

RESULT 1706
US-10-257-017B-80280/c
; Sequence 80280, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80280
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020365
US-10-257-017B-80280

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
   |||||
Db 13 TCGAGGATTAT 3

RESULT 1707
US-10-257-017B-80619
; Sequence 80619, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80619
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020443
US-10-257-017B-80619

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 752 GATATATGGGTC 764
   |||||
Db 1 GTTATATGGGT 13

RESULT 1708
US-10-257-017B-80620/c
```

```
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
   |||||
Db 1 TCGAGGATTAT 11

RESULT 1706
US-10-257-017B-80280/c
; Sequence 80280, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80280
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020365
US-10-257-017B-80280

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
   |||||
Db 13 TCGAGGATTAT 3

RESULT 1707
US-10-257-017B-80619
; Sequence 80619, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80619
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020443
US-10-257-017B-80619

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 752 GATATATGGGTC 764
   |||||
Db 1 GTTATATGGGT 13

RESULT 1708
US-10-257-017B-80620/c
```

```
; Sequence 80620, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80620
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020443
US-10-257-017B-80620

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      752 GATAATATGGGTC 764
Db      13 GTTATATGGGT 1

RESULT 1709
US-10-257-017B-81605/c
; Sequence 81605, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81605
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020648
US-10-257-017B-81605

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      745 GATTATTCGATAAT 757
Db      13 RATATTATTACT 1

RESULT 1710
US-10-257-017B-81606
; Sequence 81606, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81606
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020648
US-10-257-017B-81606

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      745 GATTATTCGATAAT 757
Db      1 RATATTATTACT 13

RESULT 1711
US-10-257-017B-82273
; Sequence 82273, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82273
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020781
US-10-257-017B-82273

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      747 TTATTGATAATAT 759
Db      1 TTATTAAATTAT 13

RESULT 1712
US-10-257-017B-82274/c
; Sequence 82274, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82274
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
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OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020781
US-10-257-017B-82274

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAAT 759
DB 13 TTATTGATAAT 1

RESULT 1713
US-10-257-017B-82575
; Sequence 82575, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82575
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020831
US-10-257-017B-82575

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 664 ACAGAGGTTTAC 676
DB 1 ATAGAGGTTTAY 13

RESULT 1714
US-10-257-017B-82576/c
; Sequence 82576, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82576
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020831
US-10-257-017B-82576

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 664 ACAGAGGTTTAC 676
DB 1 ATAGAGGTTTAY 13

DB 13 ATAGAGGTTTAY 1

RESULT 1715
US-10-257-017B-84377
; Sequence 84377, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 84377
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021215
US-10-257-017B-84377

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAAT 757
DB 2 TTATTGAGAAT 12

RESULT 1716
US-10-257-017B-84378/c
; Sequence 84378, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 84378
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021215
US-10-257-017B-84378

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAAT 757
DB 12 TTATTGAGAAT 2

RESULT 1717
US-10-257-017B-84517
; Sequence 84517, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 84517
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021264
US-10-257-017B-84517

Query Match
Best Local Similarity 90.9%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
Db 3 TATTGATAGTA 13

RESULT 1718
US-10-257-017B-84518/c
; Sequence 84518, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 84518
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021264
US-10-257-017B-84518

Query Match
Best Local Similarity 90.9%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
Db 11 TATTGATAGTA 1

RESULT 1719
US-10-257-017B-85203
; Sequence 85203, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

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; SEQ ID NO 85203
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021429
US-10-257-017B-85203

Query Match
Best Local Similarity 90.9%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATTAAT 757
Db 1 TTATTGTTAAT 11

RESULT 1720
US-10-257-017B-85204/c
; Sequence 85204, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85204
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021429
US-10-257-017B-85204

Query Match
Best Local Similarity 90.9%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATTAAT 757
Db 13 TTATTGTTAAT 3

RESULT 1721
US-10-257-017B-85205
; Sequence 85205, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85205
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021429
US-10-257-017B-85205

Query Match
Best Local Similarity 90.9%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATTAAT 757
Db 13 TTATTGTTAAT 3
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Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 1 TTATTGGTAAT 11

RESULT 1722
US-10-257-017B-85206/c
; Sequence 85206, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85206
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021429
US-10-257-017B-85206

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 13 TTATTGGTAAT 3

RESULT 1723
US-10-257-017B-85945/c
; Sequence 85945, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85945
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021600
US-10-257-017B-85945

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 728 AGACCTTTTAC 738
Db 12 ACACCTTTTAC 2

RESULT 1724
US-10-257-017B-85206/c
; Sequence 85206, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
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US-10-257-017B-85946
; Sequence 85946, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85946
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021600
US-10-257-017B-85946

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 728 AGACCTTTTAC 738
Db 2 ACACCTTTTAC 12

RESULT 1725
US-10-257-017B-86527
; Sequence 86527, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86527
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021729
US-10-257-017B-86527

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
Db 1 GGGTTTACTTT 11

RESULT 1726
US-10-257-017B-86528/c
; Sequence 86528, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86528
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021729
US-10-257-017B-86528

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTACTTT 679
Db 13 GGGTTACTTT 3

RESULT 1728
US-10-257-017B-86727
; Sequence 86727, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86727
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021795
US-10-257-017B-86727

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATGATAAT 757
Db 2 TTATGATAAT 12

RESULT 1728
US-10-257-017B-86728/c
; Sequence 86728, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86728
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
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; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021795
US-10-257-017B-86728

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATGATAAT 757
Db 12 TTATGATAAT 2

RESULT 1729
US-10-257-017B-87717/c
; Sequence 87717, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 87717
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022061
US-10-257-017B-87717

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTT 736
Db 13 CTAAACCTTT 3

RESULT 1730
US-10-257-017B-87718
; Sequence 87718, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 87718
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022061
US-10-257-017B-87718

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 726 CTAGACCTTT 736
```


; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 88226
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022169
US-10-257-017B-88226

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATAA 756
|||||
Db 3 ATTATTGATAA 13

RESULT 1736
US-10-257-017B-88226/c
; Sequence 88226, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 88226
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022169
US-10-257-017B-88226

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATAT 759
|||||
Db 13 TTATAATAATAT 1

RESULT 1737
US-10-257-017B-89549
; Sequence 89549, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 89549
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022443
US-10-257-017B-89549

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
|||||
Db 2 TATTGATGATA 12

RESULT 1738
US-10-257-017B-89550/c
; Sequence 89550, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 89550
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022443
US-10-257-017B-89550

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
|||||
Db 12 TATTGATGATA 2

RESULT 1739
US-10-257-017B-89567/c
; Sequence 89567, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 89567
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022444
US-10-257-017B-89567

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 686 GAAGATACTGATT 698
|||||
Db 13 RAATAACTTATT 1

```
RESULT 1740
US-10-257-017B-89568
; Sequence 89568, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 89568
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022444
US-10-257-017B-89568

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 686 GAAGATACGTATT 698
Db 1 RAATACTATT 13

RESULT 1741
US-10-257-017B-90145
; Sequence 90145, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 90145
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022593
US-10-257-017B-90145

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 3 ATAATTTGGGT 13

RESULT 1742
US-10-257-017B-90146/c
; Sequence 90146, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 90146
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022593
US-10-257-017B-90146

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 11 ATAATTTGGGT 1

RESULT 1743
US-10-257-017B-90317
; Sequence 90317, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 90317
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022632
US-10-257-017B-90317

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 659 TTGGACAGAG 669
Db 2 TTGGAAAGAG 12

RESULT 1744
US-10-257-017B-90318/c
; Sequence 90318, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 90318
; LENGTH: 13
; TYPE: DNA
```

QY 749 ATTGATAATAT 759
Db 13 ATTGATAAGAT 3
|||||

RESULT 1747
US-10-257-017B-91975/c
; Sequence 91975, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 91975
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023003
US-10-257-017B-91975

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
Db 12 CCTCTTACCTT 2
|||||

RESULT 1748
US-10-257-017B-91976
; Sequence 91976, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 91976
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023003
US-10-257-017B-91976

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
Db 2 CCTCTTACCTT 12
|||||

RESULT 1749
US-10-257-017B-92303/c
; Sequence 92303, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 91976
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023003
US-10-257-017B-92303/c

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
Db 2 CCTCTTACCTT 12
|||||


```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 92303
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023073
US-10-257-017B-92303

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      727 TAGACCTTTTA 737
Db      11 TATACCTTTTA 1

RESULT 1750
US-10-257-017B-92304
; Sequence 92304, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 92304
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023073
US-10-257-017B-92304

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      727 TAGACCTTTTA 737
Db      3 TATACCTTTTA 13

RESULT 1751
US-10-257-017B-92461
; Sequence 92461, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 92461
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023115
US-10-257-017B-92461

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
Db      2 ATTATTGATAA 12

RESULT 1752
US-10-257-017B-92462/c
; Sequence 92462, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 92462
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023115
US-10-257-017B-92462

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
Db      12 ATTATTGATAA 2

RESULT 1753
US-10-257-017B-93707
; Sequence 93707, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 93707
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023408
US-10-257-017B-93707
```

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
DB 1 TGATTATAATAY 13

RESULT 1754
US-10-257-017B-93708/c
; Sequence 93708, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 93708
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023408
US-10-257-017B-93708

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
DB 13 TGATTATAATAY 1

RESULT 1755
US-10-257-017B-94473
; Sequence 94473, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 94473
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023561
US-10-257-017B-94473

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
DB 2 ATTATTATAA 12

RESULT 1756
US-10-257-017B-94474/c
; Sequence 94474, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 94474
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023561
US-10-257-017B-94474

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
DB 12 ATTATTATAA 2

RESULT 1757
US-10-257-017B-94689
; Sequence 94689, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 94689
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023600
US-10-257-017B-94689

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
DB 1 GATAATAGATAY 13

RESULT 1758
US-10-257-017B-94690/c
; Sequence 94690, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 94690
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023600
US-10-257-017B-94690

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 94590
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023600
US-10-257-017B-94590
```

```
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 745 GATTATTGTAAT 757
DB 13 GATAATAGATAAT 1
```

```
RESULT 1759
US-10-257-017B-96569
; Sequence 96569, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 96569
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023993
US-10-257-017B-96569
```

```
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 748 TATTGATAATA 758
DB 1 TATTGAGAATA 11
```

```
RESULT 1760
US-10-257-017B-96570/c
; Sequence 96570, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 96570
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023993
US-10-257-017B-96570
```

```
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 748 TATTGATAATA 758
DB 13 TATTGAGAATA 3
```

```
RESULT 1761
US-10-257-017B-97059
; Sequence 97059, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97059
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024080
US-10-257-017B-97059
```

```
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 747 TTATTGTAAT 757
DB 3 TTATTGATATT 13
```

```
RESULT 1762
US-10-257-017B-97060/c
; Sequence 97060, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97060
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024080
US-10-257-017B-97060
```

```
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 747 TTATGATAAT 757
Db 11 TTATGATAAT 1

RESULT 1763
US-10-257-017B-97075
; Sequence 97075, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97075
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024083
US-10-257-017B-97075

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 667 GAGGGTTTACT 677
Db 1 GAGGGTTTACT 11

RESULT 1764
US-10-257-017B-97076/c
; Sequence 97076, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97076
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024083
US-10-257-017B-97076

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 667 GAGGGTTTACT 677
Db 13 GAGGGTTTACT 3

RESULT 1765
US-10-257-017B-98291
; Sequence 98291, Application US/10257017B
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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98291
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024425
US-10-257-017B-98291

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 1 ATAATATGGGT 11

RESULT 1766
US-10-257-017B-98292/c
; Sequence 98292, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98292
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024425
US-10-257-017B-98292

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 13 ATAATATGGGT 3

RESULT 1767
US-10-257-017B-98431
; Sequence 98431, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
```

; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98431
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024457
US-10-257-017B-98431

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
Db 2 TTATTATAAT 12

RESULT 1768
US-10-257-017B-98431/c
; Sequence 98431, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98431
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024457
US-10-257-017B-98431

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 12 ATTATTATAA 2

RESULT 1769
US-10-257-017B-98432
; Sequence 98432, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98432
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024457

US-10-257-017B-98432

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 2 ATTATTATAA 12

RESULT 1770
US-10-257-017B-98432/c
; Sequence 98432, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98432
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024457
US-10-257-017B-98432

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
Db 12 TTATTATAAT 2

RESULT 1771
US-10-257-017B-98433
; Sequence 98433, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98433
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024457
US-10-257-017B-98433

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
Db 2 TTATTATAAT 12

```
RESULT 1772
US-10-257-017B-98434/c
; Sequence 98434, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98434
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024457
US-10-257-017B-98434
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 12 TTATTGATAAT 2

RESULT 1773
US-10-257-017B-98435
; Sequence 98435, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98435
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024457
US-10-257-017B-98435
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
Db 2 ATTATTGATAA 12

RESULT 1774
US-10-257-017B-98436/c
; Sequence 98436, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98436
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024457
US-10-257-017B-98436
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 694 TGATTGCTGTA 704
Db 2 TGATTGCTGTA 12
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98436
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024457
US-10-257-017B-98436
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
Db 12 ATTATTGATAA 2

RESULT 1775
US-10-257-017B-98793
; Sequence 98793, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98793
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024553
US-10-257-017B-98793
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 694 TGATTGCTGTA 704
Db 2 TGATTGCTGTA 12

RESULT 1776
US-10-257-017B-98794/c
; Sequence 98794, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98794
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024553
US-10-257-017B-98794

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 694 TGATTGCTGTA 704
Db 12 TGATTGTTGTA 2

RESULT 1777
US-10-257-017B-98987
; Sequence 98987, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98987
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024588
US-10-257-017B-98987

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 669 GGGTTTACTTT 679
Db 3 GGGTTTATTTT 13

RESULT 1778
US-10-257-017B-98988/c
; Sequence 98988, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 98988
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024588
US-10-257-017B-98988

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
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```
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 669 GGGTTTACTTT 679
Db 11 GGGTTTATTTT 1

RESULT 1779
US-10-257-017B-99687
; Sequence 99687, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 99687
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024769
US-10-257-017B-99687

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 686 GAAGATCTGATT 698
Db 1 GATGATATTGATY 13

RESULT 1780
US-10-257-017B-99688/c
; Sequence 99688, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 99688
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024769
US-10-257-017B-99688

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 686 GAAGATCTGATT 698
Db 13 GATGATATTGATY 1

RESULT 1781
US-10-257-017B-101547
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; Sequence 101547, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 101547
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025284
US-10-257-017B-101547

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      669 GGGTTTACTTTC 681
Db      1 GAGTTTATTGTG 13

RESULT 1782
US-10-257-017B-101548/c
; Sequence 101548, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 101548
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025284
US-10-257-017B-101548

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      669 GGGTTTACTTTC 681
Db      13 GAGTTTATTGTG 1

RESULT 1783
US-10-257-017B-103169
; Sequence 103169, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 103169
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025806
US-10-257-017B-103169

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 GATTATTGATA 755
Db      3 GATTATTGATA 13

RESULT 1784
US-10-257-017B-103170/c
; Sequence 103170, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 103170
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025806
US-10-257-017B-103170

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 GATTATTGATA 755
Db      11 GATTATTGATA 1

RESULT 1785
US-10-257-017B-104133/c
; Sequence 104133, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104133
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```


; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026032
US-10-257-017B-104133

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
DB 11 TACCCGAAATT 1

RESULT 1786

US-10-257-017B-104134
; Sequence 104134, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104134
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026032
US-10-257-017B-104134

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
DB 3 TACCCGAAATT 13

RESULT 1787

US-10-257-017B-104313
; Sequence 104313, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104313
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104313

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
DB 11 TATTGATAATA 1

DB 2 TATTGATAATA 12

RESULT 1788

US-10-257-017B-104314/c
; Sequence 104314, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104314
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104314

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
DB 12 TATTGATAATA 2

RESULT 1789

US-10-257-017B-105981/c
; Sequence 105981, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105981
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026556
US-10-257-017B-105981

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 730 ACCTTTTACCT 740
DB 11 ACCTTTTATCT 1

RESULT 1790

US-10-257-017B-105982
; Sequence 105982, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105982
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026556
US-10-257-017B-105982

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Db      730 ACCTTTTACCT 740
      |||||
      3 ACCTTTTACCT 13

RESULT 1791
US-10-257-017B-107941/c
; Sequence 107941, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 107941
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027027
US-10-257-017B-107941

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Db      729 GACCTTTTACCTT 741
      :|||
      13 RAAATTTTACCTT 1

RESULT 1792
US-10-257-017B-107942
; Sequence 107942, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 107942
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027027
US-10-257-017B-107942

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      729 GACCTTTTACCTT 741
      :|||
      1 RAAATTTTACCTT 13

Db      730 ACCTTTTACCT 740
      |||||
      3 ACCTTTTACCT 13

RESULT 1793
US-10-257-017B-108121/c
; Sequence 108121, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 108121
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027079
US-10-257-017B-108121

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAATA 758
      |||||
      12 TATTGATAATA 2

Db      748 TATTGATAATA 758
      |||||
      12 TATTGATAATA 2

RESULT 1794
US-10-257-017B-108122
; Sequence 108122, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 108122
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027079
US-10-257-017B-108122

Query Match      7.8%; Score 9.4; DB 1; Length 13;
```

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Best Local Similarity 90.9%; Pred. No. 9.2e+02; Mismatches 1; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 748 TATTGATAATA 758
DB 2 TATTGATAATA 12

RESULT 1795
US-10-257-017B-108213/C
; Sequence 108213, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 108213
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027094
US-10-257-017B-108213

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02; Mismatches 1; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 748 TATTGATAATA 758
DB 13 TATTGATAATA 3

RESULT 1796
US-10-257-017B-108214
; Sequence 108214, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 108214
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027094
US-10-257-017B-108214

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02; Mismatches 1; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 748 TATTGATAATA 758
DB 1 TATTGATAATA 11

RESULT 1797
```

```
US-10-257-017B-108863
; Sequence 108863, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 108863
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027241
US-10-257-017B-108863

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02; Mismatches 1; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 750 TTGATAATATG 760
DB 3 TTGATAATATG 13

RESULT 1798
US-10-257-017B-108864/C
; Sequence 108864, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 108864
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027241
US-10-257-017B-108864

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02; Mismatches 1; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 750 TTGATAATATG 760
DB 11 TTGATAATATG 1

RESULT 1799
US-10-257-017B-110257
; Sequence 110257, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110257
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027542
US-10-257-017B-110257

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      753 ATAATATGGGT 763
Db      2 ATAATATGGT 12

RESULT 1800
US-10-257-017B-110258/c
; Sequence 110258, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110258
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027542
US-10-257-017B-110258

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      753 ATAATATGGGT 763
Db      12 ATAATATGGT 2

RESULT 1801
US-10-257-017B-111219
; Sequence 111219, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 111219
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
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; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027777
US-10-257-017B-111219

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      741 TGAGGATTATT 751
Db      2 TGAGTATTATT 12

RESULT 1802
US-10-257-017B-111220/c
; Sequence 11220, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 111220
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027777
US-10-257-017B-111220

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      741 TGAGGATTATT 751
Db      12 TGAGTATTATT 2

RESULT 1803
US-10-257-017B-112753
; Sequence 112753, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 112753
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028174
US-10-257-017B-112753

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      753 ATAATATGGGT 763
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```
Db      2 ATAATAGT 12
|||||
RESULT 1804
US-10-257-017B-112754/c
; Sequence 112754, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 112754
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028174
US-10-257-017B-112754
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      753 ATAATAGGT 763
|||||
Db      12 ATAATAGT 2

RESULT 1805
US-10-257-017B-113473/c
; Sequence 113473, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 113473
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028398
US-10-257-017B-113473
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      703 TACCGAAATT 713
|||||
Db      12 TATCCGAAATT 2

RESULT 1806
US-10-257-017B-113474
; Sequence 113474, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 113474
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028398
US-10-257-017B-113474
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      703 TACCGAAATT 713
|||||
Db      2 TATCCGAAATT 12

RESULT 1807
US-10-257-017B-114323/c
; Sequence 114323, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114323
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028627
US-10-257-017B-114323
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      731 CCTTTACCTT 741
|||||
Db      13 CCTTTACCTT 3

RESULT 1808
US-10-257-017B-114324
; Sequence 114324, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114324
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028627
US-10-257-017B-114324
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      731 CCTTTACCTT 741
|||||
Db      13 CCTTTACCTT 3

RESULT 1809
US-10-257-017B-114325
; Sequence 114325, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114325
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028627
US-10-257-017B-114325
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      731 CCTTTACCTT 741
|||||
Db      13 CCTTTACCTT 3
```

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; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114324
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028627
US-10-257-017B-114324

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTACCTT 741
   |||||
Db 1 CCTTACCTT 11

RESULT 1809
US-10-257-017B-114453
; Sequence 114453, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114453
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028657
US-10-257-017B-114453

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
   |||||
Db 3 TGGAGGATTAT 13

RESULT 1810
US-10-257-017B-114454/c
; Sequence 114454, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114454
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028657
US-10-257-017B-114454
```

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Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
   |||||
Db 11 TGGAGGATTAT 1

RESULT 1811
US-10-257-017B-114591/c
; Sequence 114591, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114591
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028684
US-10-257-017B-114591

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
   |||||
Db 12 ATTAATAATAT 2

RESULT 1812
US-10-257-017B-114592
; Sequence 114592, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114592
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028684
US-10-257-017B-114592

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
   |||||
Db 2 ATTAATAATAT 12
```

```
RESULT 1813
US-10-257-017B-114977
; Sequence 114977, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114977
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028794
US-10-257-017B-114977

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCA 765
   |||||
Db 3 AATATGGGTTA 13

RESULT 1814
US-10-257-017B-114978/c
; Sequence 114978, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114978
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028794
US-10-257-017B-114978

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 755 AATATGGGTCA 765
   |||||
Db 11 AATATGGGTTA 1

RESULT 1815
US-10-257-017B-119547/c
; Sequence 119547, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
```

```
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 119547
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029841
US-10-257-017B-119547

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
   |||||
Db 12 ATTAATAATAT 2

RESULT 1816
US-10-257-017B-119548
; Sequence 119548, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 119548
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029841
US-10-257-017B-119548

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
   |||||
Db 2 ATTAATAATAT 12

RESULT 1817
US-10-257-017B-119703
; Sequence 119703, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 119703
; LENGTH: 13
; TYPE: DNA
```

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029870
US-10-257-017B-119703

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      680 GCAGCGGAAGA 690
Db      12 GTAGCGGAAGA 12
        |||||
RESULT 1818
US-10-257-017B-119704/c
; Sequence 119704, Application US/102570173
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCES: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 119704
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029870
US-10-257-017B-119704

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      680 GCAGCGGAAGA 690
Db      12 GTAGCGGAAGA 2
        |||||
RESULT 1819
US-10-257-017B-119785
; Sequence 119785, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCES: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 119785
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029892
US-10-257-017B-119785

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      680 GCAGCGGAAGA 690
Db      12 GTAGCGGAAGA 2
        |||||

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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120260
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030011
US-10-257-017B-120260

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 742 GAGGATTATTG 752
DB 11 GAGGATTTTG 1

RESULT 1823
US-10-257-017B-120345/c
; Sequence 120345, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120345
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030031
US-10-257-017B-120345

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
DB 12 TACCCGAACT 2

RESULT 1824
US-10-257-017B-120346
; Sequence 120346, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120346
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030093
US-10-257-017B-120346

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 2 TTTTGATAAT 12

RESULT 1826
US-10-257-017B-120614/c
; Sequence 120614, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120614
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030093
US-10-257-017B-120614

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120346
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030031
US-10-257-017B-120346

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
DB 2 TACCCGAACT 12

RESULT 1825
US-10-257-017B-120613
; Sequence 120613, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120613
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030093
US-10-257-017B-120613

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 2 TTTTGATAAT 12

RESULT 1826
US-10-257-017B-120614/c
; Sequence 120614, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120614
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030093
US-10-257-017B-120614

```

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 757
Db 12 TTTTGATAAT 2

RESULT 1827

US-10-257-017B-120837
; Sequence 120837, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120837
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030152
US-10-257-017B-120837

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 759
Db 1 TTATTAATTATAY 13

RESULT 1828

US-10-257-017B-120838/c
; Sequence 120838, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120838
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030152
US-10-257-017B-120838

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 759
Db 13 TTATTAATTATAY 1

RESULT 1829

US-10-257-017B-121555
; Sequence 121555, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 121555
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030365
US-10-257-017B-121555

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
Db 1 ATTGATAATAT 11

RESULT 1830

US-10-257-017B-121556/c
; Sequence 121556, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 121556
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030365
US-10-257-017B-121556

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
Db 13 ATTGATAATAT 3

RESULT 1831

US-10-257-017B-122185/c
; Sequence 122185, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122185
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030537
US-10-257-017B-122185

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      703 TACCGGAATT 713
      |||||||
Db      12 TACCGGAATT 2

RESULT 1832
US-10-257-017B-122186
; Sequence 122186, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122186
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030537
US-10-257-017B-122186

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      703 TACCGGAATT 713
      |||||||
Db      2 TAACCGGAATT 12

RESULT 1833
US-10-257-017B-122297
; Sequence 122297, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122297
; LENGTH: 13

```

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030563
US-10-257-017B-122297

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATGATA 758
      |||||||
Db      3 TATTGATGATA 13

RESULT 1834
US-10-257-017B-122298/c
; Sequence 122298, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122298
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030563
US-10-257-017B-122298

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATGATA 758
      |||||||
Db      11 TATTGATGATA 1

RESULT 1835
US-10-257-017B-123619
; Sequence 123619, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 123619
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030908
US-10-257-017B-123619

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

QY 669 GGGTTTACTTT 679
 |||||
 Db 1 GGGTTTAAATTT 11

RESULT 1836
 US-10-257-017B-123620/c
 ; Sequence 123620, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 123620
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030908
 US-10-257-017B-123620

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
 |||||
 Db 13 GGGTTTAAATTT 3

RESULT 1837
 US-10-257-017B-124169
 ; Sequence 124169, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 124169
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031051
 US-10-257-017B-124169

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
 |||||
 Db 3 GATTATTGAGA 13

RESULT 1838
 US-10-257-017B-124170/c
 ; Sequence 124170, Application US/10257017B

; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 124170
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031051
 US-10-257-017B-124170

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
 |||||
 Db 11 GATTATTGAGA 1

RESULT 1839
 US-10-257-017B-125649/c
 ; Sequence 125649, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 125649
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031422
 US-10-257-017B-125649

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
 |||||
 Db 12 TATTGATAATA 2

RESULT 1840
 US-10-257-017B-125650
 ; Sequence 125650, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 125650
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031422
US-10-257-017B-125650

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
   ||||| |||||
Db 2 TATTATAATA 12

RESULT 1841
US-10-257-017B-125651
; Sequence 125651, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 125651
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031422
US-10-257-017B-125651

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATAAT 759
   ||||| |||||
Db 1 TTATTAAAAATAY 13

RESULT 1842
US-10-257-017B-125652/c
; Sequence 125652, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 125652
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031422
US-10-257-017B-125652
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US-10-257-017B-125652

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATAAT 759
   ||||| |||||
Db 13 TTATTAAAAATAY 1

RESULT 1843
US-10-257-017B-126199/c
; Sequence 126199, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 126199
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031578
US-10-257-017B-126199

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 730 ACCTTTTACCT 740
   ||||| |||||
Db 12 ACCTTTTACCT 2

RESULT 1844
US-10-257-017B-126200
; Sequence 126200, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 126200
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031578
US-10-257-017B-126200

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 730 ACCTTTTACCT 740
   ||||| |||||
Db 2 ACCTTTTACCT 12
```

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RESULT 1845
US-10-257-017B-127731
; Sequence 127731, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 127731
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031982
US-10-257-017B-127731

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      660 TTGCACAGAGGCT 672
Db      1 TTGCAGCTAGGGY 13

RESULT 1846
US-10-257-017B-127732/c
; Sequence 127732, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 127732
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031982
US-10-257-017B-127732

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      660 TTGCACAGAGGCT 672
Db      1 TTGCAGCTAGGGY 13

RESULT 1847
US-10-257-017B-128157
; Sequence 128157, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128157
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032094
US-10-257-017B-128157

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      710 AATTGCTGTGGC 722
Db      1 AATTGAGTGGGY 13

RESULT 1848
US-10-257-017B-128158/c
; Sequence 128158, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128158
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032094
US-10-257-017B-128158

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      710 AATTGCTGTGGC 722
Db      13 AATTGAGTGGGY 1

RESULT 1849
US-10-257-017B-128159
; Sequence 128159, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128159
```

; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032094
US-10-257-017B-128159

Query Match. 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGC 722
|||||
Db 1 AATTGAAGTGGY 13

RESULT 1850
US-10-257-017B-128160/c
; Sequence 128160, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128160
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032094
US-10-257-017B-128160

Query Match. 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 710 AATTGCTGTGGC 722
|||||
Db 13 AATTGAAGTGGY 1

RESULT 1851
US-10-257-017B-128907
; Sequence 128907, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128907
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032277
US-10-257-017B-128907

Query Match. 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 748 TATTGATAATA 758
|||||
Db 2 TATTATAATA 12

RESULT 1852
US-10-257-017B-128908/c
; Sequence 128908, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128908
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032277
US-10-257-017B-128908

Query Match. 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
|||||
Db 12 TATTATAATA 2

RESULT 1853
US-10-257-017B-129323
; Sequence 129323, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 129323
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032352
US-10-257-017B-129323

Query Match. 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
|||||
Db 3 TATTGATAGTA 13

RESULT 1854
US-10-257-017B-129324/c

```
; Sequence 129324, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 129324
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032352
US-10-257-017B-129324

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAGTA 758
DB      11 TATTGATAGTA 1

RESULT 1855
US-10-257-017B-130577
; Sequence 130577, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 130577
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032611
US-10-257-017B-130577

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
DB      3 TGAGTATTATT 13

RESULT 1856
US-10-257-017B-130578/c
; Sequence 130578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 130578
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032611
US-10-257-017B-130578

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
DB      11 TGAGATTATT 1

RESULT 1857
US-10-257-017B-130579
; Sequence 130579, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 130579
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032611
US-10-257-017B-130579

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      741 TGAGGATTATT 751
DB      3 TGAGTATTATT 13

RESULT 1858
US-10-257-017B-130580/c
; Sequence 130580, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 130580
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```



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; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032611
US-10-257-017B-130580

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
Db 11 TGAGTATTATT 1

RESULT 1859
US-10-257-017B-131623
; Sequence 131623, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131623
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032853
US-10-257-017B-131623

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 2 TTTTGTGATAAT 12

RESULT 1860
US-10-257-017B-131624/c
; Sequence 131624, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131624
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032853
US-10-257-017B-131624

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 2 TTTTGTGATAAT 12
```

```
Db 12 TTTTGTGATAAT 2

RESULT 1861
US-10-257-017B-135331
; Sequence 135331, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 135331
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033761
US-10-257-017B-135331

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 2 TAGTGATAATA 12

RESULT 1862
US-10-257-017B-135332/c
; Sequence 135332, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 135332
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033761
US-10-257-017B-135332

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 12 TAGTGATAATA 2

RESULT 1863
US-10-257-017B-137413/c
; Sequence 137413, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137413
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034333
US-10-257-017B-137413

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
Db 12 CCTTTTATCTT 2

RESULT 1864
US-10-257-017B-137414
; Sequence 137414, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137414
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034333
US-10-257-017B-137414

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
Db 2 CCTTTTATCTT 12

RESULT 1865
US-10-257-017B-137937/c
; Sequence 137937, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

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; SEQ ID NO 137937
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034489
US-10-257-017B-137937

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 723 CATCTAGACCT 733
Db 12 CATCTATACCT 2

RESULT 1866
US-10-257-017B-137938
; Sequence 137938, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137938
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034489
US-10-257-017B-137938

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 723 CATCTAGACCT 733
Db 2 CATCTATACCT 12

RESULT 1867
US-10-257-017B-138059/c
; Sequence 138059, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138059
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034542
US-10-257-017B-138059

Query Match      7.8%; Score 9.4; DB 1; Length 13;
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Best Local Similarity 76.9%; Pred. No. 9.2e+02; Mismatches 2; Indels 0; Gaps 0;
Matches 10; Conservative 1;

QY 746 ATTATGATAATA 758
Db 13 RTTAATAATAATA 1

RESULT 1868
US-10-257-017B-138060
; Sequence 138060, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138060
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034542
US-10-257-017B-138060

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATGATAATA 758
Db 1 RTTAATAATAATA 13

RESULT 1869
US-10-257-017B-138061/c
; Sequence 138061, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138061
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034542
US-10-257-017B-138061

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATGATAATA 758
Db 13 RTTAATAATAATA 1

RESULT 1870
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US-10-257-017B-138062
; Sequence 138062, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138062
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034542
US-10-257-017B-138062

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATGATAATA 758
Db 1 RTTAATAATAATA 13

RESULT 1871
US-10-257-017B-138063
; Sequence 138063, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138063
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034542
US-10-257-017B-138063

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATGATAAT 757
Db 2 TTAATGATAAT 12

RESULT 1872
US-10-257-017B-138064/c
; Sequence 138064, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138064
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034542
US-10-257-017B-138064

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTAATGATAAT 757
DB 12 TTAATGATAAT 2

RESULT 1873
US-10-257-017B-138651
; Sequence 138651, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138651
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034730
US-10-257-017B-138651

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 689 GATAGTATTG 699
DB 1 GATAGTATTG 11

RESULT 1874
US-10-257-017B-138652/c
; Sequence 138652, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138652
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034730
US-10-257-017B-138652

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 689 GATAGTATTG 699
DB 13 GATAGTATTG 3

RESULT 1875
US-10-257-017B-138863
; Sequence 138863, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138863
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034775
US-10-257-017B-138863

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATATT 751
DB 3 TGAGGATATT 13

RESULT 1876
US-10-257-017B-138864/c
; Sequence 138864, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138864
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034775
US-10-257-017B-138864

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATATT 751

```
Db      11 TGAGGATAATT 1
|||||
RESULT 1877
US-10-257-017B-140011
; Sequence 140011, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140011
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035067
US-10-257-017B-140011

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      740 TTGAGGATTAT 750
|||||
Db      2 TTAGGATTAT 12

RESULT 1878
US-10-257-017B-140012/c
; Sequence 140012, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140012
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035067
US-10-257-017B-140012

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      740 TTGAGGATTAT 750
|||||
Db      12 TTAGGATTAT 2

RESULT 1879
US-10-257-017B-140035/c
; Sequence 140035, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

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; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140035
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035071
US-10-257-017B-140035

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      749 ATTGATAATAT 759
|||||
Db      13 ATTAATAATAT 3

RESULT 1880
US-10-257-017B-140036
; Sequence 140036, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140036
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035071
US-10-257-017B-140036

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      749 ATTGATAATAT 759
|||||
Db      1 ATTAATAATAT 11

RESULT 1881
US-10-257-017B-140255
; Sequence 140255, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140255
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035140
US-10-257-017B-140255

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
| | | | | | | | | | | | |
Db 1 GATTATTGTA 11

RESULT 1882
US-10-257-017B-140256/c
; Sequence 140256, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140256
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035140
US-10-257-017B-140256

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
| | | | | | | | | | | | |
Db 13 GATTATTGTA 3

RESULT 1883
US-10-257-017B-140283/c
; Sequence 140283, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140283
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035150
US-10-257-017B-140283

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 701 TGTACCCGAAA 711
| | | | | | | | | | | | |
Db 13 TGTACCCGAAA 3

RESULT 1884
US-10-257-017B-140284
; Sequence 140284, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140284
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035150
US-10-257-017B-140284

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 701 TGTACCCGAAA 711
| | | | | | | | | | | | |
Db 1 TGTACCCGAAA 11

RESULT 1885
US-10-257-017B-140579/c
; Sequence 140579, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140579
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035245
US-10-257-017B-140579

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 729 GACCTTTTACC 739
| | | | | | | | | | | | |
Db 12 GCCCTTTTACC 2

```
RESULT 1886
US-10-257-017B-140580
; Sequence 140580, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140580
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035245
US-10-257-017B-140580

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 729 GACCTTTTACC 739
Db 2 GCCCTTTTACC 12

RESULT 1887
US-10-257-017B-141117
; Sequence 14117, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 14117
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035363
US-10-257-017B-141117

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 750 TTGATAATATG 760
Db 1 TTGTTAATATG 11

RESULT 1888
US-10-257-017B-141118/c
; Sequence 14118, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
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FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 14118
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035363
US-10-257-017B-141118

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 750 TTGATAATATG 760
Db 13 TTGTTAATATG 3

RESULT 1889
US-10-257-017B-141839
; Sequence 141839, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 141839
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035536
US-10-257-017B-141839

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 694 TGATTGCTGTA 704
Db 3 TGATTGTTGTA 13

RESULT 1890
US-10-257-017B-141840/c
; Sequence 141840, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 141840
; LENGTH: 13
; TYPE: DNA
```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035536
US-10-257-017B-141840

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 694 TGATGCTGTA 704
|||||
Db 11 TGATGCTGTA 1

RESULT 1891
US-10-257-017B-142039
; Sequence 142039, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142039
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035577
US-10-257-017B-142039

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 754 TAATATGGGTC 764
|||||
Db 1 TAATATGGTC 11

RESULT 1892
US-10-257-017B-142040/c
; Sequence 142040, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142040
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035577
US-10-257-017B-142040

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 754 TAATATGGGTC 764
|||||
Db 13 TAATATAGGTC 3

RESULT 1893
US-10-257-017B-142045
; Sequence 142045, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142045
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035577
US-10-257-017B-142045

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 754 TAATATGGGTC 764
|||||
Db 1 TAATACGGGTC 11

RESULT 1894
US-10-257-017B-142046/c
; Sequence 142046, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142046
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035577
US-10-257-017B-142046

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 754 TAATATGGGTC 764
|||||
Db 13 TAATACGGGTC 3

RESULT 1895
US-10-257-017B-143073/c
; Sequence 143073, Application US/10257017B
; GENERAL INFORMATION:


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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143073
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035889
US-10-257-017B-143073

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 725 TCTAGACCTTT 735
   |||||
Db 13 TCTAAGCCTTT 3

RESULT 1896
US-10-257-017B-143074
; Sequence 143074, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143074
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035889
US-10-257-017B-143074

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 725 TCTAGACCTTT 735
   |||||
Db 1 TCTAAGCCTTT 11

RESULT 1897
US-10-257-017B-144693
; Sequence 144693, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144693
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036405
US-10-257-017B-144693

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 711 ATTGCTGTGGG 721
   |||||
Db 2 ATTGATGTGGG 12

RESULT 1898
US-10-257-017B-144694/c
; Sequence 144694, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144694
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036405
US-10-257-017B-144694

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 711 ATTGCTGTGGG 721
   |||||
Db 12 ATTGATGTGGG 2

RESULT 1899
US-10-257-017B-145819
; Sequence 145819, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145819
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036738
US-10-257-017B-145819
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Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
   ||||| |||||
Db 1 ATTATTAATAA 11

RESULT 1900
US-10-257-017B-145819/c
; Sequence 145819, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145819
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036738
US-10-257-017B-145819

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
   ||||| |||||
Db 1 TTATTAATAAT 11

RESULT 1901
US-10-257-017B-145820
; Sequence 145820, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145820
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036738
US-10-257-017B-145820

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
   ||||| |||||
Db 3 TTATTAATAAT 13
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RESULT 1902
US-10-257-017B-145820/c
; Sequence 145820, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145820
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036738
US-10-257-017B-145820

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
   ||||| |||||
Db 13 ATTATTAATAA 3

RESULT 1903
US-10-257-017B-145909/c
; Sequence 145909, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145909
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036758
US-10-257-017B-145909

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 730 ACCTTTTACCT 740
   ||||| |||||
Db 11 AACCTTTTACCT 11

RESULT 1904
US-10-257-017B-145910
; Sequence 145910, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
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RESULT 1906
US-10-257-017B-146098/c
; Sequence 146098, Application US/10357017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 146098
; LENGTH: 13

```

Query Match	7.8%	Score 9.4;	DB 1;	Length 13;
Best Local Similarity	90.9%;	Pred. No. 9.2e+02;		
Matches	10;	Conservative	0;	Mismatches 1;
				Indels 0;
				Gaps 0;

QY 743 AGGATTATTGA 753
 Db 11 AGTATTATTGA 1

RESULT 1909

US-10-257-017B-149339
 ; Sequence 149339, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 149339
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037695
 US-10-257-017B-149339

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
 Db 1 ATAATATGTGT 11

RESULT 1910

US-10-257-017B-149340/c
 ; Sequence 149340, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 149340
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037695
 US-10-257-017B-149340

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
 Db 13 ATAATATGTGT 3

RESULT 1911

US-10-257-017B-149723
 ; Sequence 149723, Application US/10257017B

; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 149723
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037777
 US-10-257-017B-149723

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 754 TAATATGGGTC 764
 Db 1 TAATTTGGGTC 11

RESULT 1912

US-10-257-017B-149724/c
 ; Sequence 149724, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 149724
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037777
 US-10-257-017B-149724

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 754 TAATATGGGTC 764
 Db 13 TAATTTGGGTC 3

RESULT 1913

US-10-257-017B-150147
 ; Sequence 150147, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150147
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037899
US-10-257-017B-150147

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATA 755
|||
Db 3 GATTATTGGTA 13

RESULT 1914
US-10-257-017B-150148/c
; Sequence 150148, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150148
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037899
US-10-257-017B-150148

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 745 GATTATTGATA 755
|||
Db 11 GATTATTGGTA 1

RESULT 1915
US-10-257-017B-150759/c
; Sequence 150759, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150759
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038042

US-10-257-017B-150759

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 727 TAGACCTTTTA 737
|||
Db 11 TAAACCTTTTA 1

RESULT 1916
US-10-257-017B-150760
; Sequence 150760, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150760
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038042
US-10-257-017B-150760

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 727 TAGACCTTTTA 737
|||
Db 3 TAAACCTTTTA 13

RESULT 1917
US-10-257-017B-150983
; Sequence 150983, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150983
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038113
US-10-257-017B-150983

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
|||
Db 1 ATTGATAATAT 11

```
RESULT 1918
US-10-257-017B-150984/c
; Sequence 150984, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150984
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038113
US-10-257-017B-150984

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      749 ATTGATAATAT 759
Db      13 ATTGATAATAT 3

RESULT 1919
US-10-257-017B-151827
; Sequence 151827, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151827
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038359
US-10-257-017B-151827

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      749 ATTGATAATAT 759
Db      1 ATTGATAATAT 11

RESULT 1920
US-10-257-017B-151828/c
; Sequence 151828, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151828
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038359
US-10-257-017B-151828/c

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      749 ATTGATAATAT 759
Db      2 TTAGGATTAT 12

RESULT 1921
US-10-257-017B-152147
; Sequence 152147, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152147
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038440
US-10-257-017B-152147

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      740 TTGAGGATTAT 750
Db      2 TTAGGATTAT 12

RESULT 1922
US-10-257-017B-152148/c
; Sequence 152148, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152148
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038359
US-10-257-017B-152148/c
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038440
US-10-257-017B-152148

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTAT 750
Db      12 TTAGGATTAT 2

RESULT 1923
US-10-257-017B-153085
; Sequence 153085, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153085
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038691
US-10-257-017B-153085

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
Db      12 TTATTGTTAT 12

RESULT 1924
US-10-257-017B-153086/c
; Sequence 153086, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153086
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038691
US-10-257-017B-153086

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
Db      12 TTATTGTTAT 2

RESULT 1925
US-10-257-017B-154013
; Sequence 154013, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154013
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038922
US-10-257-017B-154013

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      752 GATAATATGGG 762
Db      2 GATAATTGGG 12

RESULT 1926
US-10-257-017B-154014/c
; Sequence 154014, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154014
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038922
US-10-257-017B-154014

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      752 GATAATATGGG 762
Db      12 GATAATTGGG 2

RESULT 1927
US-10-257-017B-154131
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; Sequence 154131, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154131
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038953
US-10-257-017B-154131

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
Db      2 ATTGATTATAT 12

RESULT 1928
US-10-257-017B-154132/c
; Sequence 154132, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154132
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038953
US-10-257-017B-154132

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
Db      2 ATTGATTATAT 12

RESULT 1929
US-10-257-017B-154853
; Sequence 154853, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154853
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039138
US-10-257-017B-154853

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGGTTTACTTT 679
Db      13 GGGTTTATTTT 3

RESULT 1930
US-10-257-017B-154854/c
; Sequence 154854, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154854
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039138
US-10-257-017B-154854

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGGTTTACTTT 679
Db      13 GGGTTTATTTT 3

RESULT 1931
US-10-257-017B-155817
; Sequence 155817, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 155817
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039953
US-10-257-017B-154132

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
Db      12 ATTGATTATAT 2
```


OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039339
US-10-257-017B-155817

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAT 757
Db 1 TTATTGATAT 11

RESULT 1932
US-10-257-017B-155818/c
; Sequence 155818, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 155818
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039339
US-10-257-017B-155818

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAT 757
Db 13 TTATTGATAT 3

RESULT 1933
US-10-257-017B-156381
; Sequence 156381, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 156381
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039444
US-10-257-017B-156381

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGAT 754
Db 11

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039444
US-10-257-017B-156382

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 744 GGATTATTGAT 754
Db 12 GGATTATTGAT 2

RESULT 1935
US-10-257-017B-156875
; Sequence 156875, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 156875
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039552
US-10-257-017B-156875

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
Db 3 TTGAGGATTAT 13

RESULT 1936
US-10-257-017B-156876/c
; Sequence 156876, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 156876
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039552
US-10-257-017B-156876

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTAT 750
Db      11 TTAGGATTAT 1

RESULT 1937
US-10-257-017B-158193
; Sequence 158193, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158193
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039846
US-10-257-017B-158193

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTAT 750
Db      3 TTGAGGTTAT 13

RESULT 1938
US-10-257-017B-158194/c
; Sequence 158194, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
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; SEQ ID NO 158194
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039846
US-10-257-017B-158194

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      740 TTGAGGATTAT 750
Db      11 TTGAGGTTAT 1

RESULT 1939
US-10-257-017B-158305/c
; Sequence 158305, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158305
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039868
US-10-257-017B-158305

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
Db      13 ATTAATAATAT 3

RESULT 1940
US-10-257-017B-158306
; Sequence 158306, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158306
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039868
US-10-257-017B-158306

Query Match      7.8%; Score 9.4; DB 1; Length 13;
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Best Local Similarity 90.9%; Pred. No. 9.2e+02; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 1;

Qy 749 ATTGATAATAT 759
  ||| |||||
Db 1 ATTGATAATAT 11

RESULT 1941
US-10-257-017B-158307
; Sequence 158307, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158307
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039868
US-10-257-017B-158307

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
  ||| |||||
Db 1 ATTGATAATAT 11

RESULT 1942
US-10-257-017B-158308/c
; Sequence 158308, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158308
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039868
US-10-257-017B-158308

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
  ||| |||||
Db 1 ATTGATAATAT 3

RESULT 1943
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US-10-257-017B-158817/c
; Sequence 158817, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158817
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039978
US-10-257-017B-158817

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 729 GACCTTTTACCTT 741
  :||| |||||
Db 13 RACCTTTTACCTT 1

RESULT 1944
US-10-257-017B-158818
; Sequence 158818, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158818
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039978
US-10-257-017B-158818

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 729 GACCTTTTACCTT 741
  :||| |||||
Db 1 RACCTTTTACCTT 13

RESULT 1945
US-10-257-017B-159383
; Sequence 159383, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159383
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040121
US-10-257-017B-159383

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTTCCTCTTG 680
|||||
Db 2 GGTTCCTCTTG 12

RESULT 1946
US-10-257-017B-159384/c
; Sequence 159384, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159384
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040121
US-10-257-017B-159384

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTTCCTCTTG 680
|||||
Db 12 GGTTCCTCTTG 2

RESULT 1947
US-10-257-017B-161801
; Sequence 161801, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161801
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161801

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
Db 2 TTATTGATAAT 12

RESULT 1948
US-10-257-017B-161801/c
; Sequence 161801, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161801
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161801

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 12 ATTATTGATAA 2

RESULT 1949
US-10-257-017B-161802
; Sequence 161802, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161802
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161802

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756

Db 2 ATTATTAATAA 12
RESULT 1950
US-10-257-017B-161802/c
; Sequence 161802, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCES: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161802
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161802
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 747 TTATTGATAAT 757
Db 12 TTATTAATAAT 2
RESULT 1951
US-10-257-017B-161805
; Sequence 161805, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCES: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161805
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161805
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 747 TTATTGATAAT 757
Db 12 TTATTAATAAT 2
RESULT 1952
US-10-257-017B-161805/c
; Sequence 161805, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCES: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161805
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161805
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 746 ATTATTGATAA 756
Db 12 ATTATCGATAA 2
RESULT 1953
US-10-257-017B-161806
; Sequence 161806, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCES: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161806
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161806
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 746 ATTATTGATAA 756
Db 2 ATTATCGATAA 12
RESULT 1954
US-10-257-017B-161806/c
; Sequence 161806, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCES: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161806
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161806
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 746 ATTATTGATAA 756
Db 2 ATTATCGATAA 12

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161806
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040731
US-10-257-017B-161806

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 12 TTATGATAAT 2

RESULT 1955
US-10-257-017B-162101
; Sequence 162101, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 162101
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040789
US-10-257-017B-162101

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
DB 1 TTATTGATAGGAY 13

RESULT 1956
US-10-257-017B-162102/c
; Sequence 162102, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 162102
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040789
US-10-257-017B-162102

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
DB 13 TTATTGATAGGAY 1

RESULT 1957
US-10-257-017B-162819
; Sequence 162819, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 162819
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040938
US-10-257-017B-162819

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
DB 1 GGGTTTATTTT 11

RESULT 1958
US-10-257-017B-162820/c
; Sequence 162820, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 162820
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040938
US-10-257-017B-162820

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
DB 13 GGGTTTATTTT 3

```
RESULT 1959
US-10-257-017B-162823
; Sequence 162823, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 162823
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040938
US-10-257-017B-162823

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGGTTTACTTT 679
Db      1 GGGTTTATTTT 11

RESULT 1960
US-10-257-017B-162824/c
; Sequence 162824, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 162824
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040938
US-10-257-017B-162824

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      669 GGGTTTACTTT 679
Db      1 GGGTTTATTTT 11

RESULT 1961
US-10-257-017B-163917
; Sequence 163917, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 163917
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005704
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FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 163917
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005704
US-10-257-017B-163917

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGTTTACTTTG 680
Db      1 GGTTTAATTG 11

RESULT 1962
US-10-257-017B-163918/c
; Sequence 163918, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 163918
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005704
US-10-257-017B-163918

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      670 GGTTTACTTTG 680
Db      13 GGTTTAATTG 3

RESULT 1963
US-10-257-017B-163919
; Sequence 163919, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 163919
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005704
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ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005704
US-10-257-017B-163919

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTACTTTG 680
Db 1 GGTACTTTG 11

RESULT 1964
US-10-257-017B-163920/c
Sequence 163920, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 163920
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005704
US-10-257-017B-163920

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTACTTTG 680
Db 13 GGTACTTTG 3

RESULT 1965
US-10-257-017B-164441
Sequence 164441, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 164441
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041280
US-10-257-017B-164441

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
Db 1 AGTATTGATAA 11

RESULT 1966
US-10-257-017B-164442/c
Sequence 164442, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 164442
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041280
US-10-257-017B-164442

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
Db 13 AGTATTGATAA 3

RESULT 1967
US-10-257-017B-165633/c
Sequence 165633, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 165633
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041532
US-10-257-017B-165633

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
Db 11 TACCCGAAATT 1

RESULT 1968
US-10-257-017B-165634
Sequence 165634, Application US/10257017B
GENERAL INFORMATION:


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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165634
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041532
US-10-257-017B-165634

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      703 TACCGAAATT 713
Db      3 TACACGAAATT 13

RESULT 1969
US-10-257-017B-165637/c
; Sequence 165637, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165637
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041532
US-10-257-017B-165637

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      703 TACCGAAATT 713
Db      11 TACGCGAAATT 1

RESULT 1970
US-10-257-017B-165638
; Sequence 165638, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165637
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041532
US-10-257-017B-165637
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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165638
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041532
US-10-257-017B-165638

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      703 TACCGAAATT 713
Db      3 TACGCGAAATT 13

RESULT 1971
US-10-257-017B-166131
; Sequence 166131, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 166131
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041644
US-10-257-017B-166131

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      746 ATTATTCGATAA 756
Db      1 ATTATTCGTA 11

RESULT 1972
US-10-257-017B-166132/c
; Sequence 166132, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 166132
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041644
US-10-257-017B-166132
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Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
 |||||
 DB 13 ATTATTGGTAA 3

RESULT 1973
 US-10-257-017B-166433/c
 ; Sequence 166433, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 166433
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041682
 US-10-257-017B-166433

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
 |||||
 DB 11 ATTATAATAT 1

RESULT 1974
 US-10-257-017B-166434
 ; Sequence 166434, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 166434
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041682
 US-10-257-017B-166434

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
 |||||
 DB 3 ATTATAATAT 13

RESULT 1975
 US-10-257-017B-168173
 ; Sequence 168173, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 168173
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042062
 US-10-257-017B-168173

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
 |||||
 DB 1 GGGTTTAGTTT 11

RESULT 1976
 US-10-257-017B-168174/c
 ; Sequence 168174, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 168174
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042062
 US-10-257-017B-168174

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
 |||||
 DB 13 GGGTTTAGTTT 3

RESULT 1977
 US-10-257-017B-168817
 ; Sequence 168817, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 168817
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042204
US-10-257-017B-168817

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 2 TTATTGAAAAT 12

RESULT 1978
US-10-257-017B-168818/c
; Sequence 168818, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 168818
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042204
US-10-257-017B-168818

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 12 TTATTGAAAAT 2

RESULT 1979
US-10-257-017B-168883
; Sequence 168883, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 168883
; LENGTH: 13

```

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042222
US-10-257-017B-168883

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
DB 1 GGGTTTACTTT 11

RESULT 1980
US-10-257-017B-168884/c
; Sequence 168884, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 168884
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042222
US-10-257-017B-168884

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
DB 13 GGGTTTACTTT 3

RESULT 1981
US-10-257-017B-169241
; Sequence 169241, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 169241
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042290
US-10-257-017B-169241

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 747 TTATTGATAAT 757
|||||
Db 2 TTATTGATTAT 12

RESULT 1982

US-10-257-017B-169242/c
; Sequence 169242, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 169242
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042290
US-10-257-017B-169242

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
Db 12 TTATTGATTAT 2

RESULT 1983

US-10-257-017B-169751/c
; Sequence 169751, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 169751
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042397
US-10-257-017B-169751

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
|||||
Db 11 TACCCGAAAT 1

RESULT 1984

US-10-257-017B-169752
; Sequence 169752, Application US/10257017B

; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 169752
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042397
US-10-257-017B-169752

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
|||||
Db 3 TACCCGAAAT 13

RESULT 1985

US-10-257-017B-172625
; Sequence 172625, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172625
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043028
US-10-257-017B-172625

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
|||||
Db 1 TTGAGGATTAT 11

RESULT 1986

US-10-257-017B-172626/c
; Sequence 172626, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07

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; PRIOR APPLICATION NUMBER: DE 10019173.8
;
; PRIOR FILING DATE: 2000-04-07
;
; NUMBER OF SEQ ID NOS: 382045
;
; SEQ ID NO 172826
;
; LENGTH: 13
;
; TYPE: DNA
;
; ORGANISM: Artificial Sequence
;
; FEATURE:
;
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00493028
US-0-257-0178-172826

```

```

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy 740 TTGAGGATTAT 750
Db 13 TTGGGGATTAT 3

```

RESULT 1987
US-10-257-017B-173199
; Sequence 173199, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methyations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173199
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043140
US-10-257-017B-173199

```

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 743 AGGATTATTGA 753
Db 1 AGTATTATTGA 11

```

RESULT 1988
US-10-257-017B-173200/c
; Sequence 173200, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257.017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173200
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043140

```

US-10-257-017B-173200

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 743 AGGATTATTGA 753
Db 13 AGTATTATTGA 3

```

RESULT 1989
US-10-257-017B-173991/c
; Sequence 173991, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosi
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173991
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043303
US-10-257-017B-173991

```

Query Match	7.8%	Score 9.4;	DB 1;	Length 13;
Best Local Similarity	90.9%;	Pred. No. 9.2e+02;		
Matches 10:	Conservative	0;	Mismatches	1;
	Indels	0;	Gaps	0;

QY 748 TATTGATAATA 758
 . |||||
 Db 12 TATTATAATA 2

```

RESULT 1990
US-10-257-017B-173992
; Sequence 173992, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173992
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00A3303
US-10-257-017B-173992

```

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY	748	TATTGATAATA	758
Dh	2	TATTATAATA	12

RESULT 1991
US-10-257-017B-174183
; Sequence 174183, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 174183
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043334
US-10-257-017B-174185
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 670 GGTTTACTTTG 680
Db 1 GGTTTACTTTG 11
RESULT 1992
US-10-257-017B-174186/c
; Sequence 174186, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 174186
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043334
US-10-257-017B-174186
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 670 GGTTTACTTTG 680
Db 13 GGTTTACTTTG 3
RESULT 1995
US-10-257-017B-175085
; Sequence 175085, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 175085

US-10-257-017B-174184
; Sequence 174184, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 174184
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043334
US-10-257-017B-174184
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 670 GGTTTACTTTG 680
Db 1 GGTTTACTTTG 11
RESULT 1992
US-10-257-017B-174184/c
; Sequence 174184, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 174184
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043334
US-10-257-017B-174184
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 670 GGTTTACTTTG 680
Db 13 GGTTTACTTTG 3
RESULT 1993
US-10-257-017B-174185
; Sequence 174185, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043512
US-10-257-017B-175085

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGAT 754
Db      3 GGATTATTAT 13

RESULT 1996
US-10-257-017B-175086/c
; Sequence 175086, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 175086
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043512
US-10-257-017B-175086

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGAT 754
Db      11 GGATTATTAT 1

RESULT 1997
US-10-257-017B-175475
; Sequence 175475, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 175475
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043604
US-10-257-017B-175475

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
```

```
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      679 TGCAGCGGAAGAT 691
Db      1 TGTAGCGGTAGAY 13

RESULT 1998
US-10-257-017B-175476/c
; Sequence 175476, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 175476
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043604
US-10-257-017B-175476

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      679 TGCAGCGGAAGAT 691
Db      13 TGTAGCGGTAGAY 1

RESULT 1999
US-10-257-017B-177799
; Sequence 177799, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 177799
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044071
US-10-257-017B-177799

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      687 AAGATACTGAT 697
Db      2 AAGATATTGAT 12

RESULT 2000
US-10-257-017B-177800/c
```

; Sequence 177800, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 177800
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044071
US-10-257-017B-177800

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 687 AAGATCTGAT 697
Db 12 AAGATATTGAT 2

RESULT 2001
US-10-257-017B-178107
; Sequence 178107, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 178107
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009511
US-10-257-017B-178107

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
Db 2 TTGAGATTAT 12

RESULT 2002
US-10-257-017B-178108/c
; Sequence 178108, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 178108
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009511
US-10-257-017B-178108

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 740 TTGAGGATTAT 750
Db 12 TTGAGATTAT 2

RESULT 2003
US-10-257-017B-180163
; Sequence 180163, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 180163
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044603
US-10-257-017B-180163

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTTCATTG 680
Db 3 GGTTCATTG 13

RESULT 2004
US-10-257-017B-180164/c
; Sequence 180164, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 180164
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044603
US-10-257-017B-180164

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTTACTTTG 680
Db 11 GGTTATTG 1

RESULT 2005

US-10-257-017B-180525
; Sequence 180525, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 180525

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044685
US-10-257-017B-180525

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 682 AGCGAAGATA 692
Db 2 AGAGGAAGATA 12

RESULT 2006

US-10-257-017B-180526/c

; Sequence 180526, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 180526

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044685
US-10-257-017B-180526

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 682 AGCGAAGATA 692
|| |||||

Db 12 AGAGGAAGATA 2

RESULT 2007

US-10-257-017B-181553

; Sequence 181553, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 181553

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044896
US-10-257-017B-181553

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
Db 2 GTTATTGATA 12

RESULT 2008

US-10-257-017B-181554/c

; Sequence 181554, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 181554

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044896
US-10-257-017B-181554

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
Db 12 GTTATTGATA 2

RESULT 2009

US-10-257-017B-181589

; Sequence 181589, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
PRIOR FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 181589
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000892
US-10-257-017B-181589

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 686 GAAGATCTGATT 698
Db 1 GAAGATTATGATY 13

RESULT 2010
US-10-257-017B-181590/c
Sequence 181590, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 181590
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000892
US-10-257-017B-181590

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 686 GAAGATCTGATT 698
Db 13 GAAGATTATGATY 1

RESULT 2011
US-10-257-017B-181653/c
Sequence 181653, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046

SEQ ID NO 181653
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044916
US-10-257-017B-181653

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAATTT 713
Db 11 TACCCGAATTT 1

RESULT 2012
US-10-257-017B-181654
Sequence 181654, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 181654
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044916
US-10-257-017B-181654

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAATTT 713
Db 3 TACCCGAATTT 13

RESULT 2013
US-10-257-017B-183269
Sequence 183269, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 183269
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045249
US-10-257-017B-183269

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 76.9%; Pred. No. 9.2e+02; Indels 0; Gaps 0;
Matches 10; Conservative 1; Mismatches 2;

QY 747 TTATTGATAATAT 759
Db 1 TTATTATTATAY 13

RESULT 2014
US-10-257-017B-183269/c
; Sequence 183269, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183269
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045249
US-10-257-017B-183269

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 12 TATTAATAATA 2

RESULT 2015
US-10-257-017B-183270
; Sequence 183270, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183270
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045249
US-10-257-017B-183270

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 2 TATTAAATA 12

RESULT 2016
US-10-257-017B-183270

US-10-257-017B-183270/c
; Sequence 183270, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183270
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045249
US-10-257-017B-183270

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTATTATTATAY 1

RESULT 2017
US-10-257-017B-183773
; Sequence 183773, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183773
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045389
US-10-257-017B-183773

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 2 TGTGATAATA 12

RESULT 2018
US-10-257-017B-183774/c
; Sequence 183774, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183774
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045389
US-10-257-017B-183774

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAAT 758
| | | | | | | | | | | | | | |
Db 12 TATTGATAAT 2

RESULT 2019
US-10-257-017B-183793
; Sequence 183793, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183793
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045394
US-10-257-017B-183793

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
| | | | | | | | | | | | | | |
Db 2 TAATTGATAAT 12

RESULT 2020
US-10-257-017B-183794/c
; Sequence 183794, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183794
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045394
US-10-257-017B-183794

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
| | | | | | | | | | | | | | |
Db 12 TAATTGATAAT 2

RESULT 2021
US-10-257-017B-184677
; Sequence 184677, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184677
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045561
US-10-257-017B-184677

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 664 ACAGAGGGTTT 674
| | | | | | | | | | | | | | |
Db 2 ATAGAGGGTTT 12

RESULT 2022
US-10-257-017B-184678/c
; Sequence 184678, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184678
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045561
US-10-257-017B-184678

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 664 ACAGAGGGTTT 674

Db 12 ATAGAGGGTTT 2
RESULT 2023
US-10-257-017B-184707/c
; Sequence 184707, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184707
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045569
US-10-257-017B-184707
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 723 CATCTAGACCT 733
Db 13 CATCTCGACCT 3
RESULT 2024
US-10-257-017B-184708
; Sequence 184708, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184708
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045569
US-10-257-017B-184708
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 723 CATCTAGACCT 733
Db 1 CATCTCGACCT 11
RESULT 2025
US-10-257-017B-185251
; Sequence 185251, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 185251
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045679
US-10-257-017B-185251
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 709 AAATTGCTGTG 719
Db 3 AAATTGTTGTG 13
RESULT 2026
US-10-257-017B-185252/c
; Sequence 185252, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 185252
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045679
US-10-257-017B-185252
Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 709 AAATTGCTGTG 719
Db 11 AAATTGTTGTG 1
RESULT 2027
US-10-257-017B-186663
; Sequence 186663, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 186663
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046000
US-10-257-017B-186663

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
|||||
DB 2 GAAGATATTGA 12

RESULT 2028

US-10-257-017B-186664/c
; Sequence 186664, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 186664
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046000
US-10-257-017B-186664

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
|||||
DB 12 GAAGATATTGA 2

RESULT 2029

US-10-257-017B-186667
; Sequence 186667, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 186667
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046001
US-10-257-017B-186667

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
|||||
DB 1 GAAGATATTGA 11

RESULT 2030

US-10-257-017B-186668/c
; Sequence 186668, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 186668
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046001
US-10-257-017B-186668

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
|||||
DB 13 GAAGATATTGA 3

RESULT 2031

US-10-257-017B-187111
; Sequence 187111, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 187111
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046116
US-10-257-017B-187111

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
|||||
DB 1 ATAATATGTGT 11

```
RESULT 2032
US-10-257-017B-187112/c
; Sequence 187112, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 187112
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046116
US-10-257-017B-187112

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 13 ATAATATGCT 3

RESULT 2033
US-10-257-017B-188369
; Sequence 188369, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 188369
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046395
US-10-257-017B-188369

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 672 TTTACTTTGCAGC 684
Db 1 TTTAGTTTGGCGY 13

RESULT 2034
US-10-257-017B-188370/c
; Sequence 188370, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
```

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FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 188370
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046395
US-10-257-017B-188370

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 672 TTTACTTTGCAGC 684
Db 13 TTTAGTTTGGCGY 1

RESULT 2035
US-10-257-017B-189239/c
; Sequence 189239, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189239
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046572
US-10-257-017B-189239

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAAT 713
Db 11 TACCCGAACT 1

RESULT 2036
US-10-257-017B-189240
; Sequence 189240, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189240
; LENGTH: 13
; TYPE: DNA
```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046572
US-10-257-017B-189240

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAATT 713
Db 3 TACCCGAATT 13

RESULT 2037
US-10-257-017B-190025/c
; Sequence 190025, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 190025
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046742
US-10-257-017B-190025

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
Db 12 ATTGATAATAT 2

RESULT 2038
US-10-257-017B-190026
; Sequence 190026, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 190026
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046742
US-10-257-017B-190026

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
Db 2 ATTGATAATAT 12

RESULT 2039
US-10-257-017B-190189
; Sequence 190189, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 190189
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046777
US-10-257-017B-190189

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGA 753
Db 2 AGGATTATTGA 12

RESULT 2040
US-10-257-017B-190190/c
; Sequence 190190, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 190190
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046777
US-10-257-017B-190190

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTGA 753
Db 12 AGGATTATTGA 2

RESULT 2041
US-10-257-017B-190577
; Sequence 190577, Application US/10257017B
; GENERAL INFORMATION:

APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 190577
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000356
US-10-257-017B-190577

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
Db 1 GTTAATATGGG 11

RESULT 2042
US-10-257-017B-190578/c
Sequence 190578, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 190578
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000356
US-10-257-017B-190578

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
Db 13 GTTAATATGGG 3

RESULT 2043
US-10-257-017B-192059
Sequence 192059, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 192059
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047260
US-10-257-017B-192059

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATGG 761
Db 2 TGATAATATGG 12

RESULT 2044
US-10-257-017B-192060/c
Sequence 192060, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 192060
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047260
US-10-257-017B-192060

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATGG 761
Db 12 TGATAATATGG 2

RESULT 2045
US-10-257-017B-192475/c
Sequence 192475, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 192475
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047371
US-10-257-017B-192475

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 733 TTTTACCTTGA 743
Db 12 TTTTACCTTAA 2

RESULT 2046
US-10-257-017B-192476
; Sequence 192476, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 192476
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047371
US-10-257-017B-192476

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 733 TTTTACCTTGA 743
Db 2 TTTTACCTTAA 12

RESULT 2047
US-10-257-017B-193075/c
; Sequence 193075, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 193075
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047497
US-10-257-017B-193075

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
Db 11 TACCCGTAATT 1

RESULT 2048
US-10-257-017B-193076
; Sequence 193076, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 193076
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047497
US-10-257-017B-193076

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
Db 3 TACCCGTAATT 13

RESULT 2049
US-10-257-017B-194131
; Sequence 194131, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 194131
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047737
US-10-257-017B-194131

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATTCGA 753
Db 3 AGGATTATAGA 13

RESULT 2050
US-10-257-017B-194132/c
; Sequence 194132, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
US-10-257-017B-194132

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 194132
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047737
US-10-257-017B-194132

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 743 AGGATTATGA 753
DB 11 AGGATTATGA 1

RESULT 2051
US-10-257-017B-194751
; Sequence 194751, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 194751
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047902
US-10-257-017B-194751

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
DB 1 TGAGGATTATT 11

RESULT 2052
US-10-257-017B-194752/c
; Sequence 194752, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 194752
; LENGTH: 13
```

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047902
US-10-257-017B-194752

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
DB 13 TGAGGATTATT 3

RESULT 2053
US-10-257-017B-195197/c
; Sequence 195197, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 195197
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048027
US-10-257-017B-195197

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 724 ATCTAGACCTT 734
DB 11 ATCTATACCTT 1

RESULT 2054
US-10-257-017B-195198
; Sequence 195198, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 195198
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048027
US-10-257-017B-195198

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Tue Apr 27 16:12:53 2004

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QY 724 ATCTAGACCTT 734
Db 3 ATCTATACCTT 13

RESULT 2055
US-10-257-017B-196083/c
; Sequence 196083, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196083
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048258
US-10-257-017B-196083

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
Db 12 GATTATTAATA 2

RESULT 2056
US-10-257-017B-196084
; Sequence 196084, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196084
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048258
US-10-257-017B-196084

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
Db 2 GATTATTAATA 12

RESULT 2057
US-10-257-017B-196273
; Sequence 196273, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196273
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048310
US-10-257-017B-196273

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 13 TTTTGATAATA 3

RESULT 2058
US-10-257-017B-196274/c
; Sequence 196274, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196274
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048310
US-10-257-017B-196274

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 13 TTTTGATAATA 3

RESULT 2059
US-10-257-017B-196353/c
; Sequence 196353, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196353
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048310
US-10-257-017B-196353
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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196353
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048329
US-10-257-017B-196353

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCGAAATT 713
   ||| |||||
Db 11 TACACGAAATT 1

RESULT 2060
US-10-257-017B-196354
; Sequence 196354, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196354
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048329
US-10-257-017B-196354

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCGAAATT 713
   ||| |||||
Db 11 TACACGAAATT 1

RESULT 2061
US-10-257-017B-196523
; Sequence 196523, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196523
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048367
US-10-257-017B-196354
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US-10-257-017B-196523

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 742 GAGGATTATTG 752
   ||| |||||
Db 3 GAGGATTATTG 13

RESULT 2062
US-10-257-017B-196524/c
; Sequence 196524, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196524
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048367
US-10-257-017B-196524

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 742 GAGGATTATTG 752
   ||| |||||
Db 11 GAGGATTATTG 1

RESULT 2063
US-10-257-017B-196735
; Sequence 196735, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196735
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048421
US-10-257-017B-196735

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATTAAT 757
   ||| |||||
Db 1 TTATTGATTAAT 11
```

RESULT 2064
US-10-257-017B-196736/c
; Sequence 196736, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196736
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048421
US-10-257-017B-196736

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATGATAAT 757
|||
Db 13 TTATGATAAT 3

RESULT 2065
US-10-257-017B-196947
; Sequence 196947, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196947
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009072
US-10-257-017B-196947

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
|||
Db 1 TTATAATATG 11

RESULT 2066
US-10-257-017B-196948/c
; Sequence 196948, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196948
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048635
US-10-257-017B-196948

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196948
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009072
US-10-257-017B-196948

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
|||
Db 13 TTATAATATG 3

RESULT 2067
US-10-257-017B-197631
; Sequence 197631, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197631
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048635
US-10-257-017B-197631

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||
Db 3 ATTATTATAA 13

RESULT 2068
US-10-257-017B-197632/c
; Sequence 197632, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197632
US-10-257-017B-197632

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048635
US-10-257-017B-197632

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
DB 11 ATTATTGATAA 1

RESULT 2069
US-10-257-017B-197789
; Sequence 197789, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197789
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048680
US-10-257-017B-197789

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 1 TTATTGATAAT 11

RESULT 2070
US-10-257-017B-197790/c
; Sequence 197790, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197790
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048680
US-10-257-017B-197790

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 1 TTATTGATAAT 11
```

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Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 13 TTATTGATAAT 3

RESULT 2071
US-10-257-017B-198625
; Sequence 198625, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198625
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048875
US-10-257-017B-198625

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
DB 1 GATTATTGAGAAY 13

RESULT 2072
US-10-257-017B-198626/c
; Sequence 198626, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198626
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048875
US-10-257-017B-198626

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
DB 13 GATTATTGAGAAY 1

RESULT 2073
US-10-257-017B-198799
```

FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257, 017B

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049015
US-10-257-017B-199181

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 733 TTTTACCTTGA 743

Db 2 TTTTACGTTGA 12

RESULT 2078

US-10-257-017B-199182/c
Sequence 199182, Application US/10257017B

GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 199182
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049015
US-10-257-017B-199182

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 733 TTTTACCTTGA 743

Db 12 TTTTACGTTGA 2

RESULT 2079

US-10-257-017B-199489
Sequence 199489, Application US/10257017B

GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 199489
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049082
US-10-257-017B-199489

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757

|||||

Db 1 TTATTATAAT 11

RESULT 2080

US-10-257-017B-199489/c
Sequence 199489, Application US/10257017B

GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 199489
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049082
US-10-257-017B-199489

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756

Db 11 ATTATTATAA 1

RESULT 2081

US-10-257-017B-199490
Sequence 199490, Application US/10257017B

GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 199490
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049082
US-10-257-017B-199490

Query Match

Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756

Db 3 ATTATTATAA 13

RESULT 2082

US-10-257-017B-199490/c
Sequence 199490, Application US/10257017B

GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 199490
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049082
US-10-257-017B-199490

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 13 TTATTATAAT 3

RESULT 2083
US-10-257-017B-199559/c
; Sequence 199559, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 199559
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049096
US-10-257-017B-199559

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
Db 12 ATTATAATAT 2

RESULT 2084
US-10-257-017B-199560
; Sequence 199560, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 199560
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049096
US-10-257-017B-199560

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
Db 2 ATTATAATAT 12

RESULT 2085
US-10-257-017B-199831
; Sequence 199831, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 199831
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049163
US-10-257-017B-199831

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 2 TATTGATAATA 12

RESULT 2086
US-10-257-017B-199832/c
; Sequence 199832, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 199832
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049163
US-10-257-017B-199832

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
Db 12 ATTATAATAT 2
```

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Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 12 TATTGATAATA 2

RESULT 2087
US-10-257-017B-199903
; Sequence 199903, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 199903
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049182
US-10-257-017B-199903

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TTTTGTATATAY 13

RESULT 2088
US-10-257-017B-199904/c
; Sequence 199904, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 199904
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049182
US-10-257-017B-199904

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTTTGTATATAY 1

RESULT 2089
```

```
US-10-257-017B-200227
; Sequence 200227, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 200227
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049268
US-10-257-017B-200227

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 694 TGATTGCTGTA 704
Db 3 TGATTGCTGTA 13

RESULT 2090
US-10-257-017B-200228/c
; Sequence 200228, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 200228
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049268
US-10-257-017B-200228

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 694 TGATTGCTGTA 704
Db 11 TGATTGCTGTA 1

RESULT 2091
US-10-257-017B-200747
; Sequence 200747, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 200747
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049391
US-10-257-017B-200747

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATAT 759
Db 1 TTGTTGATATTAY 13

RESULT 2092
US-10-257-017B-200748/c
; Sequence 200748, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 200748
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049391
US-10-257-017B-200748

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATAT 759
Db 1 TTGTTGATATTAY 13

RESULT 2093
US-10-257-017B-200783
; Sequence 200783, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 200783
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049400
US-10-257-017B-200783

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 752 GATAATATGGGTC 764
Db 1 GATAATGTGGTTY 13

RESULT 2094
US-10-257-017B-200784/c
; Sequence 200784, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 200784
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049400
US-10-257-017B-200784

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 752 GATAATATGGGTC 764
Db 13 GATAATGTGGTTY 1

RESULT 2095
US-10-257-017B-201111
; Sequence 201111, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201111
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049481
US-10-257-017B-201111

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 733 TTTTACCTTGA 743

Db 1 TTTTACGTGA 11
|||||

RESULT 2096

US-10-257-017B-201112/c
; Sequence 201112, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylation

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 201112

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00049481

US-10-257-017B-201112

Query Match

Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 733 TTTTACCTTGA 743

Db 13 TTTTACGTGA 3

RESULT 2097

US-10-257-017B-201125/c
; Sequence 201125, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylation

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 201125

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007469

US-10-257-017B-201125

Query Match

Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;

Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757

Db 13 RATTATTAAAAAT 1

RESULT 2098

US-10-257-017B-201126

; Sequence 201126, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylation

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 201126

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007469

US-10-257-017B-201126

Query Match

Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;

Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757

Db 1 RATTATTAAAAAT 13

RESULT 2099

US-10-257-017B-201367

; Sequence 201367, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylation

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 201367

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004957

US-10-257-017B-201367

Query Match

Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756

Db 3 ATTATTGATAA 13

RESULT 2100

US-10-257-017B-201368/c

; Sequence 201368, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylation

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201368
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004957
US-10-257-017B-201368

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 11 ATTATGATAA 1

RESULT 2101
US-10-257-017B-201725/c
; Sequence 201725, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201725
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010748
US-10-257-017B-201725

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 11 ATTATTGATAA 1

RESULT 2102
US-10-257-017B-201726
; Sequence 201726, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201726
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010748
US-10-257-017B-201726

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 3 ATTATTGATAA 13

RESULT 2103
US-10-257-017B-202599
; Sequence 202599, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 202599
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049792
US-10-257-017B-202599

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
|||||
Db 3 TATTGATAATA 13

RESULT 2104
US-10-257-017B-202600/c
; Sequence 202600, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 202600
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049792
US-10-257-017B-202600

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
|||||
Db 11 TATTGATAATA 1

```
RESULT 2105
US-10-257-017B-203051
; Sequence 203051, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203051
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049871
US-10-257-017B-203051

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
      |||||
Db      1 TTATTGATAGT 11

RESULT 2106
US-10-257-017B-203052/c
; Sequence 203052, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203052
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049871
US-10-257-017B-203052

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
      |||||
Db      13 TTATTGATAGT 3

RESULT 2107
US-10-257-017B-203979
; Sequence 203979, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203979
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050056
US-10-257-017B-203979

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
      |||||
Db      2 ATTGATAATAT 12

RESULT 2108
US-10-257-017B-203980/c
; Sequence 203980, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203980
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050056
US-10-257-017B-203980

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
      |||||
Db      12 ATTGATAATAT 2

RESULT 2109
US-10-257-017B-204039/c
; Sequence 204039, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 204039
; LENGTH: 13
; TYPE: DNA
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050066
US-10-257-017B-204039

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
DB 12 ATTATTGATAA 2

RESULT 2110
US-10-257-017B-204040
; Sequence 204040, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 204040
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050066
US-10-257-017B-204040

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
DB 2 ATTATTGATAA 12

RESULT 2111
US-10-257-017B-204237
; Sequence 204237, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 204237
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050101
US-10-257-017B-204237

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 661 TGGACAGAGGTT 673
|||||
DB 1 TTGAGAGAGGTY 13

RESULT 2112
US-10-257-017B-204238/c
; Sequence 204238, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 204238
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050101
US-10-257-017B-204238

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 661 TGGACAGAGGTT 673
|||||
DB 13 TTGAGAGAGGTY 1

RESULT 2113
US-10-257-017B-204595
; Sequence 204595, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 204595
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050188
US-10-257-017B-204595

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
|||||
DB 2 AATGATAATAT 12

RESULT 2114
US-10-257-017B-204596/c
; Sequence 204596, Application US/10257017B
; GENERAL INFORMATION:


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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 204596
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050189
US-10-257-017B-204596

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
Db 12 AATGATAATAT 2

RESULT 2115
US-10-257-017B-205837/c
; Sequence 205837, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 205837
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050447
US-10-257-017B-205837

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
Db 13 CCTTTTACCTT 3

RESULT 2116
US-10-257-017B-205838
; Sequence 205838, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 205838
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050447
US-10-257-017B-205838

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
Db 1 CCTTTTACCTT 11

RESULT 2117
US-10-257-017B-206059
; Sequence 206059, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206059
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050481
US-10-257-017B-206059

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 1 AAAATATGGGT 11

RESULT 2118
US-10-257-017B-206060/c
; Sequence 206060, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206060
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050481
US-10-257-017B-206060

```

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATATATGGGT 763
| |||||
DB 13 AAAATATGGGT 3

RESULT 2119

US-10-257-017B-206125
; Sequence 206125, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206125
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050495
US-10-257-017B-206125

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAAT 757
| |||||
DB 1 TTATTGTAAT 11

RESULT 2120

US-10-257-017B-206126/c
; Sequence 206126, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206126
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050495
US-10-257-017B-206126

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAAT 757
| |||||
DB 13 TTATTGTAAT 3

RESULT 2121

US-10-257-017B-206163
; Sequence 206163, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206163
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050500
US-10-257-017B-206163

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
| |||||
DB 1 GAAGATACTGA 11

RESULT 2122

US-10-257-017B-206164/c
; Sequence 206164, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206164
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050500
US-10-257-017B-206164

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 686 GAAGATACTGA 696
| |||||
DB 13 GAAGATACTGA 3

RESULT 2123

US-10-257-017B-206635
; Sequence 206635, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
US-10-257-017B-206635

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206635
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050572
US-10-257-017B-206635

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 733 TTTTACCTTGA 743
Db 2 TTTTACGTTGA 12

RESULT 2124
US-10-257-017B-206636/c
; Sequence 206636, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206636
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050572
US-10-257-017B-206636

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 733 TTTTACCTTGA 743
Db 12 TTTTACGTTGA 2

RESULT 2125
US-10-257-017B-206933/c
; Sequence 206933, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206933
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050633
US-10-257-017B-206933

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
Db 11 TACCCCTAAATT 1

RESULT 2126
US-10-257-017B-206934
; Sequence 206934, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206934
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050633
US-10-257-017B-206934

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
Db 3 TACCCCTAAATT 13

RESULT 2127
US-10-257-017B-208263/c
; Sequence 208263, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208263
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050910
US-10-257-017B-208263

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

Qy 731 CCTTTTACCTT 741
Db 13 CCTTTTACCTT 3

RESULT 2128

US-10-257-017B-208264
; Sequence 208264, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 208264

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050910

US-10-257-017B-208264

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 731 CCTTTTACCTT 741
Db 1 CCTTTTACCTT 11

RESULT 2129

US-10-257-017B-208429/c

; Sequence 208429, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 208429

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC005793

US-10-257-017B-208429

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAAATT 713
Db 11 TTCCCGAAATT 1

RESULT 2130

US-10-257-017B-208430

; Sequence 208430, Application US/10257017B

; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208430
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005793
US-10-257-017B-208430

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAAATT 713
Db 3 TTCCCGAAATT 13

RESULT 2131

US-10-257-017B-210129

; Sequence 210129, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 210129

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051306

US-10-257-017B-210129

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 750 TTGATATATG 760
Db 1 TTGATATATG 11

RESULT 2132

US-10-257-017B-210130/c

; Sequence 210130, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 210130
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051306
US-10-257-017B-210130

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
DB 13 TTGAGAAATG 3

RESULT 2133
US-10-257-017B-211121
; Sequence 211121, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 211121
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051518
US-10-257-017B-211121

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
DB 1 ATTATTGTAA 11

RESULT 2134
US-10-257-017B-211122/c
; Sequence 211122, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 211122
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051518

US-10-257-017B-211122

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
DB 13 ATTATTGTAA 3

RESULT 2135
US-10-257-017B-211301
; Sequence 211301, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 211301
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051543
US-10-257-017B-211301

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 759 TGGTCAAGAAGT 771
DB 1 TGGGAGAAGAAGY 13

RESULT 2136
US-10-257-017B-211302/c
; Sequence 211302, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 211302
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051543
US-10-257-017B-211302

Query Match
Best Local Similarity 7.8%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 759 TGGTCAAGAAGT 771
DB 13 TGGGAGAAGAAGY 1

```
RESULT 2137
US-10-257-017B-215643
; Sequence 215643, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 215643
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052448
US-10-257-017B-215643

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 1 TTATTGATAATAY 13

RESULT 2138
US-10-257-017B-215644/c
; Sequence 215644, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 215644
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052448
US-10-257-017B-215644

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
Db 13 TTATTGATAATAY 1

RESULT 2139
US-10-257-017B-215901
; Sequence 215901, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 215901
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052504
US-10-257-017B-215901

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
Db 1 ATTATTGGTAA 11

RESULT 2140
US-10-257-017B-215902/c
; Sequence 215902, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 215902
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052504
US-10-257-017B-215902

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
Db 13 ATTATTGGTAA 3

RESULT 2141
US-10-257-017B-216635
; Sequence 216635, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216635
```

```

; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052666
US-10-257-017B-216635

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAAT 757
   |||||
Db 3 TTATTGTAAT 13

RESULT 2142
US-10-257-017B-216636/c
; Sequence 216636, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216636
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052666
US-10-257-017B-216636

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAAT 757
   |||||
Db 11 TTATTGTAAT 1

RESULT 2143
US-10-257-017B-216851
; Sequence 216851, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216851
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052703
US-10-257-017B-216851

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAAT 759
   |||||
Db 12 ATTGATAAT 2

RESULT 2146
US-10-257-017B-217774
```

```

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAAT 757
   |||||
Db 2 TTATTGATGAT 12

RESULT 2144
US-10-257-017B-216852/c
; Sequence 216852, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216852
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052703
US-10-257-017B-216852

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAAT 757
   |||||
Db 12 TTATTGATGAT 2

RESULT 2145
US-10-257-017B-217773/c
; Sequence 217773, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217773
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001396
US-10-257-017B-217773

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAAT 759
   |||||
Db 12 ATTGATAAT 2

RESULT 2146
US-10-257-017B-217774
```

```
; Sequence 21774, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 21774
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001296
US-10-257-017B-21774

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      749 ATTGATAATAT 759
      ||| |||||
Db      2 ATTATAATAT 12

RESULT 2147
US-10-257-017B-220285/c
; Sequence 220285, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220285
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053607
US-10-257-017B-220285

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      701 TGTACCCGAAA 711
      ||| |||||
Db      13 TTTACCCGAAA 3

RESULT 2148
US-10-257-017B-220286
; Sequence 220286, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220286
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053607
US-10-257-017B-220286

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      701 TGTACCCGAAA 711
      ||| |||||
Db      1 TTTACCCGAAA 11

RESULT 2149
US-10-257-017B-221095
; Sequence 221095, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221095
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053802
US-10-257-017B-221095

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      747 TTATTGATAAT 757
      ||| |||||
Db      2 TTATTGATAAT 12

RESULT 2150
US-10-257-017B-221096/c
; Sequence 221096, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221096
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```


OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053802
US-10-257-017B-221096

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||||
DB 12 TTATTGAAAT 2

RESULT 2151

US-10-257-017B-221143
; Sequence 221143, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221143
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053816
US-10-257-017B-221143

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
|||||||
DB 3 GATAATATGGG 13

RESULT 2152

US-10-257-017B-221144/C
; Sequence 221144, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221144
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053816
US-10-257-017B-221144

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
|||||||

DB 11 GATAATATGTG 1

RESULT 2153
US-10-257-017B-221147
; Sequence 221147, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221147
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053816
US-10-257-017B-221147

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
|||||||
DB 3 GATAATATGGG 13

RESULT 2154

US-10-257-017B-221148/C
; Sequence 221148, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221148
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053816
US-10-257-017B-221148

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
|||||||
DB 11 GATAATATGTG 1

RESULT 2155

US-10-257-017B-222425
; Sequence 222425, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222425
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054120
US-10-257-017B-222425

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e-02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
|||||
Db 2 ATAATAAGGT 12

RESULT 2156
US-10-257-017B-222426/c
; Sequence 222426, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222426
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054120
US-10-257-017B-222426

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e-02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
|||||
Db 12 ATAATAAGGT 2

RESULT 2157
US-10-257-017B-222615
; Sequence 222615, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 222615
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054177
US-10-257-017B-222615

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e-02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
Db 2 TTATTGATAAT 12

RESULT 2158
US-10-257-017B-222616/c
; Sequence 222616, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222616
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054177
US-10-257-017B-222616

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e-02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
Db 12 TTATTGATAAT 2

RESULT 2159
US-10-257-017B-222965
; Sequence 222965, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222965
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054279
US-10-257-017B-222965

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
Db 2 GGGTTTACTTT 12

RESULT 2160
US-10-257-017B-222966/c
; Sequence 222966, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 2000-04-07
; SEQ ID NO 222966
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054279
US-10-257-017B-222966

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
Db 12 GGGTTTACTTT 2

RESULT 2161
US-10-257-017B-224325/c
; Sequence 224325, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 2000-04-07
; SEQ ID NO 224325
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054656
US-10-257-017B-224325

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
Db 12 CCTTTTACCTT 2

RESULT 2162

US-10-257-017B-224326
; Sequence 224326, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 2000-04-07
; SEQ ID NO 224326
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054656
US-10-257-017B-224326

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 731 CCTTTTACCTT 741
Db 2 CCTTTTACCTT 12

RESULT 2163
US-10-257-017B-224763
; Sequence 224763, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 2000-04-07
; SEQ ID NO 224763
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054787
US-10-257-017B-224763

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAAGATATG 695
Db 2 GGAAGATATG 12

RESULT 2164
US-10-257-017B-224764/c
; Sequence 224764, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
US-10-257-017B-224764

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 224764
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054787
US-10-257-017B-224764

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 685 GGAGACTACTG 695
Db 12 GGAGATATTG 2

RESULT 2165
US-10-257-017B-225747
; Sequence 225747, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 225747
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055031
US-10-257-017B-225747

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 1 TTATTGATAAT 11

RESULT 2166
US-10-257-017B-225748/c
; Sequence 225748, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 225748
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055031
US-10-257-017B-225748

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 13 TTATTGATAAT 3

RESULT 2167
US-10-257-017B-226121/c
; Sequence 226121, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226121
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055114
US-10-257-017B-226121

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
Db 12 TACCCGAAATT 2

RESULT 2168
US-10-257-017B-226122
; Sequence 226122, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226122
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055114
US-10-257-017B-226122

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713

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Db      ||| ||| ||| ||| |||
      2 TACTCGAATT 12

RESULT 2169
US-10-257-017B-226197
; Sequence 226197, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226197
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055129
US-10-257-017B-226197

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      750 TTGATAATATG 760
Db      ||| ||| ||| ||| |||
      1 TTGATTATATG 11

RESULT 2170
US-10-257-017B-226198/c
; Sequence 226198, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226198
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055129
US-10-257-017B-226198

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      750 TTGATAATATG 760
Db      ||| ||| ||| ||| |||
      1 TTGATTATATG 3

RESULT 2171
US-10-257-017B-226273
; Sequence 226273, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226273
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055159
US-10-257-017B-226273

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      669 GGGTTTACTTTGC 681
Db      ||| ||| ||| ||| |||
      1 GGGTTTITTTTGY 13

RESULT 2172
US-10-257-017B-226274/c
; Sequence 226274, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226274
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055159
US-10-257-017B-226274

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      669 GGGTTTACTTTGC 681
Db      ||| ||| ||| ||| |||
      13 GGGTTTITTTTGY 1

RESULT 2173
US-10-257-017B-226559
; Sequence 226559, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07

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; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226559
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055221
US-10-257-017B-226559

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 743 AGGATTATTGA 753
||| |||||
Db 1 AGGATTATTGA 11

RESULT 2174

US-10-257-017B-226560/C
; Sequence 226560, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226560
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055221
US-10-257-017B-226560

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 743 AGGATTATTGA 753
||| |||||
Db 13 AGGATTATTGA 3

RESULT 2175

US-10-257-017B-226645/C
; Sequence 226645, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226645
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055241
US-10-257-017B-226645

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAAATT 713
||| |||||
Db 12 TACCCGAAATT 2

RESULT 2176

US-10-257-017B-226646
; Sequence 226646, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226646
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055241
US-10-257-017B-226646

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAAATT 713
||| |||||
Db 2 TACCCGAAATT 12

RESULT 2177

US-10-257-017B-227033
; Sequence 227033, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227033
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055363
US-10-257-017B-227033

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 750 TTGATAATATG 760
||| |||||
Db 1 TTGATAATATG 11

RESULT 2178

US-10-257-017B-227034/c
; Sequence 227034, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227034
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055363
US-10-257-017B-227034

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 750 TTGATAATATG 760

Db 13 TTATAATATG 3

RESULT 2179

US-10-257-017B-227275
; Sequence 227275, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227275
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055439
US-10-257-017B-227275

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 666 AGAGGGTTTAC 676

Db 2 AGAGGATTTAC 12

RESULT 2180

US-10-257-017B-227276/c
; Sequence 227276, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations

FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227276
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055439
US-10-257-017B-227276

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 666 AGAGGGTTTAC 676

Db 12 AGAGGATTTAC 2

RESULT 2181

US-10-257-017B-228151
; Sequence 228151, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228151
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055636
US-10-257-017B-228151

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATGA 756

Db 2 ATTATTGATGA 12

RESULT 2182

US-10-257-017B-228152/c
; Sequence 228152, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228152
; LENGTH: 13
; TYPE: DNA


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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 229733
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056037
US-10-257-017B-229733

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
   |||||
Db 1 ATTATAATAT 11

RESULT 2188
US-10-257-017B-229734/c
; Sequence 229734, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 229734
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056037
US-10-257-017B-229734

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
   |||||
Db 13 ATTATAATAT 3

RESULT 2189
US-10-257-017B-230253
; Sequence 230253, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230253
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056156
US-10-257-017B-230253

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
   |||||
Db 1 TTTTGTATTATAY 13

RESULT 2190
US-10-257-017B-230254/c
; Sequence 230254, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230254
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056156
US-10-257-017B-230254

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
   |||||
Db 13 TTTTGTATTATAY 1

RESULT 2191
US-10-257-017B-230411/c
; Sequence 230411, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230411
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056197
US-10-257-017B-230411

```

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
:|||||
Db 13 RACTATTATAAT 1

RESULT 2192

US-10-257-017B-230412
; Sequence 230412, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230412
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056197
US-10-257-017B-230412

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
:|||||
Db 1 RACTATTATAAT 13

RESULT 2193

US-10-257-017B-230441
; Sequence 230441, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230441
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056208
US-10-257-017B-230441

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 3 ATTATTGATAA 13

RESULT 2194
US-10-257-017B-230442/c
; Sequence 230442, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230442
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056208
US-10-257-017B-230442

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 11 ATTATTGATAA 1

RESULT 2195

US-10-257-017B-230443
; Sequence 230443, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230443
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056208
US-10-257-017B-230443

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 3 ATTATTGATAA 13

RESULT 2196

US-10-257-017B-230444/c
; Sequence 230444, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230444
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056208
US-10-257-017B-230444

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATGATAA 756
|||||
Db 11 ATTAATGATAA 1

RESULT 2199
US-10-257-017B-230607
; Sequence 230607, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230607
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007480
US-10-257-017B-230607

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 734 TTACCTTGAG 744
|||||
Db 2 TTACCTTGAG 12

RESULT 2198
US-10-257-017B-230608/c
; Sequence 230608, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230608
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007480
US-10-257-017B-230608

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 734 TTACCTTGAG 744
|||||
Db 12 TTACCTTGAG 2

RESULT 2199
US-10-257-017B-231333
; Sequence 231333, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 231333
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056411
US-10-257-017B-231333

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
Db 2 TTATTGATAAT 12

RESULT 2200
US-10-257-017B-231334/c
; Sequence 231334, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 231334
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056411
US-10-257-017B-231334

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 747 TTATTGATAAT 757
DB 12 TTATTGAAAAAT 2

RESULT 2201
US-10-257-017B-231663
; Sequence 231663, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 231663
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056483
US-10-257-017B-231663

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
DB 1 TTGATAAGATG 11

RESULT 2202
US-10-257-017B-231664/c
; Sequence 231664, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 231664
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056483
US-10-257-017B-231664

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
DB 13 TTGATAAGATG 3

RESULT 2203
US-10-257-017B-232309
; Sequence 232309, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 232309
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056655
US-10-257-017B-232309

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
DB 3 TATTGATAATA 13

RESULT 2204
US-10-257-017B-232310/c
; Sequence 232310, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 232310
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056655
US-10-257-017B-232310

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
DB 11 TATTGATAATA 1

RESULT 2205
US-10-257-017B-232597
; Sequence 232597, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 232597
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056719
US-10-257-017B-232597

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      750 TTGATAATATG 760
      ||| |||||
Db      1 TTAATAATATG 11

RESULT 2206
US-10-257-017B-232598/c
; Sequence 232598, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 232598
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056719
US-10-257-017B-232598

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      750 TTGATAATATG 760
      ||| |||||
Db      13 TTAATAATATG 3

RESULT 2207
US-10-257-017B-233501
; Sequence 233501, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 233501
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056986
```

```
US-10-257-017B-233501

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 GATTATTGATA 755
      ||| |||||
Db      2 GATTAAATGATA 12

RESULT 2208
US-10-257-017B-233502/c
; Sequence 233502, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 233502
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056986
US-10-257-017B-233502

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 GATTATTGATA 755
      ||| |||||
Db      12 GATTAAATGATA 2

RESULT 2209
US-10-257-017B-233503
; Sequence 233503, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 233503
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056986
US-10-257-017B-233503

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      745 GATTATTGATA 755
      ||| |||||
Db      2 GATTAAATGATA 12
```

```
RESULT 2210
US-10-257-017B-233504/c
; Sequence 233504, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 233504
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056986
US-10-257-017B-233504

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATGCATA 755
Db 12 GATTATGCATA 2

RESULT 2211
US-10-257-017B-234059
; Sequence 234059, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234059
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057118
US-10-257-017B-234059

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 ATAATATGGGT 763
Db 2 ATAATAGGGGT 12

RESULT 2212
US-10-257-017B-234060/c
; Sequence 234060, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234060
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057118
US-10-257-017B-234060

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 2 TATTGATAATA 12

RESULT 2213
US-10-257-017B-234205
; Sequence 234205, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234205
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057148
US-10-257-017B-234205

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 2 TATTGATAATA 12

RESULT 2214
US-10-257-017B-234206/c
; Sequence 234206, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234206
```

; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057148
 US-10-257-017B-234206

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAA 758
 |||||
 Db 12 TAGGATAA 2

RESULT 2215
 US-10-257-017B-234991
 ; Sequence 234991, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 234991
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006352
 US-10-257-017B-234991

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 742 GAGGATTATTG 752
 |||||
 Db 3 GAGTATTATTG 13

RESULT 2216
 US-10-257-017B-234992/c
 ; Sequence 234992, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 234992
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006352
 US-10-257-017B-234992

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 742 GAGGATTATTG 752
 |||||
 Db 11 GAGTATTATTG 1

RESULT 2217
 US-10-257-017B-235933/c
 ; Sequence 235933, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 235933
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057594
 US-10-257-017B-235933

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
 |||||
 Db 11 ATTATTATAA 1

RESULT 2218
 US-10-257-017B-235934
 ; Sequence 235934, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 235934
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057594
 US-10-257-017B-235934

Query Match 7.8%; Score 9.4; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 9.2e+02;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
 |||||
 Db 3 ATTATTATAA 13

RESULT 2219
 US-10-257-017B-236555/c

; Sequence 236555, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236555
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057745
US-10-257-017B-236555

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAAATT 713
Db 11 TACCCGTAATT 1

RESULT 2220

US-10-257-017B-236556
; Sequence 236556, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236556
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057745
US-10-257-017B-236556

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAAATT 713
Db 3 TACCCGTAATT 13

RESULT 2221

US-10-257-017B-236631
; Sequence 236631, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236631
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057757
US-10-257-017B-236631

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
Db 3 ATTGATAATTT 13

RESULT 2222

US-10-257-017B-236632/c
; Sequence 236632, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236632
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057757
US-10-257-017B-236632

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
Db 11 ATTGATAATTT 1

RESULT 2223

US-10-257-017B-236867
; Sequence 236867, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236867
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057745
US-10-257-017B-236867

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 703 TACCCGAAATT 713
Db 3 TACCCGTAATT 13

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057798
US-10-257-017B-236867

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGTAATAT 759
|||||
Db 1 ATTGTAATAT 11

RESULT 2224
US-10-257-017B-236868/c
; Sequence 236868, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236868
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057798
US-10-257-017B-236868

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGTAATAT 759
|||||
Db 13 ATTGTAATAT 3

RESULT 2225
US-10-257-017B-237655
; Sequence 237655, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237655
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057959
US-10-257-017B-237655

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGTAAT 757
|||||

Db 1 TTATTGTAAT 11

RESULT 2226
US-10-257-017B-237655/c
; Sequence 237655, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237655
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057959
US-10-257-017B-237655

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 11 ATTATTGATAA 1

RESULT 2227
US-10-257-017B-237656
; Sequence 237656, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237656
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057959
US-10-257-017B-237656

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 3 ATTATTGATAA 13

RESULT 2228
US-10-257-017B-237656/c
; Sequence 237656, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237656
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057959
US-10-257-017B-237656

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 13 TTATTGATAAT 3

RESULT 2229
US-10-257-017B-237671
; Sequence 237671, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237671
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006492
US-10-257-017B-237671

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 682 AGCGGAAGATA 692
Db 3 AGAGGAAGATA 13

RESULT 2230
US-10-257-017B-237672/c
; Sequence 237672, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 237672
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006492
US-10-257-017B-237672

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 682 AGCGGAAGATA 692
Db 11 AGAGGAAGATA 1

RESULT 2231
US-10-257-017B-237979
; Sequence 237979, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237979
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058044
US-10-257-017B-237979

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
Db 1 TTTTGTAGTAGTAY 13

RESULT 2232
US-10-257-017B-237980/c
; Sequence 237980, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237980
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058044
US-10-257-017B-237980

Query Match 7.8%; Score 9.4; DB 1; Length 13;

Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
DB 13 TTTTGTAGATTAY 1

RESULT 2233
US-10-257-017B-238355
; Sequence 238355, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 238355
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058136
US-10-257-017B-238355

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 2 TAATTGATAAT 12

RESULT 2234
US-10-257-017B-238356/c
; Sequence 238356, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 238356
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058136
US-10-257-017B-238356

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
DB 12 TAATTGATAAT 2

RESULT 2235

US-10-257-017B-238939
; Sequence 238939, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 238939
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058271
US-10-257-017B-238939

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
DB 1 TTATTGAGATTAY 13

RESULT 2236
US-10-257-017B-238940/c
; Sequence 238940, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 238940
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058271
US-10-257-017B-238940

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
DB 13 TTATTGAGATTAY 1

RESULT 2237
US-10-257-017B-239167
; Sequence 239167, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
US-10-257-017B-239167

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 239167
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058315
US-10-257-017B-239167

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 669 GGGTTACTTTGC 681
Db 1 GGGTTAAATTGY 13

RESULT 2238
US-10-257-017B-239168/c
; Sequence 239168, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 239168
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058315
US-10-257-017B-239168

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 669 GGGTTACTTTGC 681
Db 13 GGGTTAAATTGY 1

RESULT 2239
US-10-257-017B-239611
; Sequence 239611, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 239611
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058448
US-10-257-017B-239611

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 2 ATATTATGGGT 12

RESULT 2240
US-10-257-017B-239612/c
; Sequence 239612, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 239612
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058448
US-10-257-017B-239612

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 12 ATATTATGGGT 2

RESULT 2241
US-10-257-017B-239813
; Sequence 239813, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 239813
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009067
US-10-257-017B-239813

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 664 ACAGAGGGTTT 674

```
Db      1 ATAGAGGGTTT 11
RESULT 2242
US-10-257-017B-239814/c
; Sequence 239814, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 239814
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009067
US-10-257-017B-239814
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      664 ACRAGGGTTT 674
Db      13 ATAGAGGGTTT 3
RESULT 2243
US-10-257-017B-240261
; Sequence 240261, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 240261
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058599
US-10-257-017B-240261
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      741 TGAGGATTATT 751
Db      3 TGATGATTATT 13
RESULT 2244
US-10-257-017B-240262/c
; Sequence 240262, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

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; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 240262
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058599
US-10-257-017B-240262
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      741 TGAGGATTATT 751
Db      11 TGATGATTATT 1
RESULT 2245
US-10-257-017B-241101
; Sequence 241101, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241101
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058807
US-10-257-017B-241101
Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      747 TTATTGATAAT 757
Db      2 TTATTGTTAAT 12
RESULT 2246
US-10-257-017B-241102/c
; Sequence 241102, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241102
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058807
US-10-257-017B-241102

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
Db 12 TTATTGTTAAT 2

RESULT 2247
US-10-257-017B-241349
; Sequence 241349, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241349
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058874
US-10-257-017B-241349

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
|||||
Db 1 TTATTATTAGTAY 13

RESULT 2248
US-10-257-017B-241350/c
; Sequence 241350, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241350
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058874
US-10-257-017B-241350

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
|||||
Db 13 TTATTATTAGTAY 1

RESULT 2249
US-10-257-017B-241535
; Sequence 241535, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241535
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009671
US-10-257-017B-241535

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
|||||
Db 1 TTATTGGTTATAY 13

RESULT 2250
US-10-257-017B-241536/c
; Sequence 241536, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241536
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009671
US-10-257-017B-241536

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 759
|||||
Db 13 TTATTGGTTATAY 1

RESULT 2251
US-10-257-017B-241675/c
; Sequence 241675, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241675
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058931
US-10-257-017B-241675

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
:|||||
13 RATTATTATTAT 1
Db

RESULT 2252
US-10-257-017B-241676
; Sequence 241676, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241676
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058931
US-10-257-017B-241676

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
:|||||
1 RATTATTATTAT 13
Db

RESULT 2253
US-10-257-017B-241683
; Sequence 241683, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations

FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241683
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058934
US-10-257-017B-241683

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 682 AGCGGAAGATA 692
:|||||
2 AGTGAAGATA 12
Db

RESULT 2254
US-10-257-017B-241684/c
; Sequence 241684, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241684
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058934
US-10-257-017B-241684

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 682 AGCGGAAGATA 692
:|||||
12 AGTGAAGATA 2
Db

RESULT 2255
US-10-257-017B-241889
; Sequence 241889, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241889
; LENGTH: 13
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058990
US-10-257-017B-241889

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
DB 2 TTATTGATATT 12

RESULT 2256
US-10-257-017B-241890/c
; Sequence 241890, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241890
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058990
US-10-257-017B-241890

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
DB 12 TTATTGATATT 2

RESULT 2257
US-10-257-017B-241971
; Sequence 241971, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241971
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059019
US-10-257-017B-241971

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 659 TTGGACAGAG 669
|||||
DB 1 TTGGACAGAG 11

RESULT 2258
US-10-257-017B-241972/c
; Sequence 241972, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241972
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059019
US-10-257-017B-241972

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 659 TTGGACAGAG 669
|||||
DB 13 TTGGACAGAG 3

RESULT 2259
US-10-257-017B-241973
; Sequence 241973, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241973
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059019
US-10-257-017B-241973

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 659 TTGGACAGAG 669
|||||
DB 1 TTGGACAGAG 11

RESULT 2260
US-10-257-017B-241974/c
; Sequence 241974, Application US/10257017B
; GENERAL INFORMATION:


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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241974
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059019
US-10-257-017B-241974

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      659 TTGGACAGAG 669
Db      13 TTGGATAGAG 3

RESULT 2261
US-10-257-017B-243445
; Sequence 243445, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 243445
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059395
US-10-257-017B-243445

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      750 TTGATAATATG 760
Db      1 TTGATTATATG 11

RESULT 2262
US-10-257-017B-243446/c
; Sequence 243446, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 243446
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059395
US-10-257-017B-243446

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      750 TTGATAATATG 760
Db      13 TTGATTATATG 3

RESULT 2263
US-10-257-017B-245973
; Sequence 245973, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245973
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060104
US-10-257-017B-245973

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      747 TTATTGATAAT 757
Db      2 TTAATGATAAT 12

RESULT 2264
US-10-257-017B-245974/c
; Sequence 245974, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245974
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060104
US-10-257-017B-245974
```

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
| | | | | | | | | | | | |
Db 12 TTAATGATAAT 2

RESULT 2265
US-10-257-017B-246077
; Sequence 246077, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 246077
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060123
US-10-257-017B-246077

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
| | | | | | | | | | | | |
Db 1 TTATAATATG 11

RESULT 2266
US-10-257-017B-246078/c
; Sequence 246078, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 246078
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060123
US-10-257-017B-246078

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 750 TTGATAATATG 760
| | | | | | | | | | | | |
Db 13 TTTATAATATG 3

RESULT 2267
US-10-257-017B-246369/c
; Sequence 246369, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 246369
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060209
US-10-257-017B-246369

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
| | | | | | | | | | | | |
Db 11 ATTATTGATAA 1

RESULT 2268
US-10-257-017B-246370
; Sequence 246370, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 246370
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060209
US-10-257-017B-246370

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
| | | | | | | | | | | | |
Db 3 ATTATTGATAA 13

RESULT 2269
US-10-257-017B-247111
; Sequence 247111, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 247111
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060382
US-10-257-017B-247111

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
||| |||||
Db 1 GAGTAATGATAAY 13

RESULT 2270
US-10-257-017B-247112/c
; Sequence 247112, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 247112
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060382
US-10-257-017B-247112

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAAT 757
||| |||||
Db 13 GAGTAATGATAAY 1

RESULT 2271
US-10-257-017B-247215
; Sequence 247215, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 247215
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060413
US-10-257-017B-247215

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
||| |||||
Db 2 TATTGATAATA 12

RESULT 2272
US-10-257-017B-247216/c
; Sequence 247216, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 247216
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060413
US-10-257-017B-247216

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
||| |||||
Db 12 TATTGATAATA 2

RESULT 2273
US-10-257-017B-247435
; Sequence 247435, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 247435
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060463
US-10-257-017B-247435

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
Db 1 TGAGGATTAGT 11

RESULT 2274

US-10-257-017B-247436/c

; Sequence 247436, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 247436

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060463

US-10-257-017B-247436

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TGAGGATTATT 751
Db 13 TGAGGATTAGT 3

RESULT 2275

US-10-257-017B-248225

; Sequence 248225, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 248225

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060658

US-10-257-017B-248225

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 742 GAGGATTATTG 752
Db 3 GAGTATTATTG 13

RESULT 2276

US-10-257-017B-248226/c

; Sequence 248226, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 248226

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060658

US-10-257-017B-248226

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 742 GAGGATTATTG 752
Db 11 GAGTATTATTG 1

RESULT 2277

US-10-257-017B-249667

; Sequence 249667, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 249667

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060993

US-10-257-017B-249667

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATTAATAT 759
Db 1 TTATTATAAAY 13

RESULT 2278

US-10-257-017B-249668/c

; Sequence 249668, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; SEQ ID NO 249668

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060993

US-10-257-017B-249668

```

; PRIOR APPLICATION NUMBER: DE 10019173.8
;
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 249668
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00600993
US-10-257-017B-249668

```

```
Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. NO. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
```

Qy	747	TTATTGATAATAT	759
			:
Db	13	TTATTTATAAAAY	1

```

RESULT 2279
US-10-257-017B-250173
; Sequence 250173, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 250173
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005239
US-10-257-017B-250173

```

```
Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. NO. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY	747	TTATTGATAAT	757
D6	1	TTATTTATAAT	11

```

RESULT 2280
US-10-257-017B-250174/c
Sequence 250174, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 362046
SEQ ID NO 250174
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005239

```

US-10-257-017B-250174

```
Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY 747 TTATTGATAAT 757
| | | | |
D6 13 TTATTATAAT 3

```

RESULT 2281
US-10-257-017B-250467
Sequence 250467, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 250467
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061157
US-10-257-017B-250467

```

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 753 ATAATATGGGT 763
Db 3 ATAATATGGAT 13

```

RESULT 2282
US-10-257-017B-250468/c
; Sequence 250468, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 250468
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061157
US-10-257-017B-250468

```

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	753	ATAATATGGGT	763
Dp	11	ATAATATGGAT	1

```
RESULT 2283
US-10-257-017B-250485
; Sequence 250485, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 250485
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061164
US-10-257-017B-250485

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
Db      1 ATTGATAATGT 11

RESULT 2284
US-10-257-017B-250486/c
; Sequence 250486, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 250486
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061164
US-10-257-017B-250486

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
Db      13 ATTGATAATGT 3

RESULT 2285
US-10-257-017B-250841
; Sequence 250841, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 250841
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061233
US-10-257-017B-250841

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      689 GATACGTGATTG 699
Db      2 GATATTGATTG 12

RESULT 2286
US-10-257-017B-250842/c
; Sequence 250842, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 250842
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061233
US-10-257-017B-250842

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      689 GATACGTGATTG 699
Db      12 GATATTGATTG 2

RESULT 2287
US-10-257-017B-250951
; Sequence 250951, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 250951
```

LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061250
US-10-257-017B-250951

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTACTTTG 680
Db 1 GGTACTTTG 11

RESULT 2288
US-10-257-017B-250952/c
Sequence 250952, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 250952
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061250
US-10-257-017B-250952

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 670 GGTACTTTG 680
Db 13 GGTACTTTG 3

RESULT 2289
US-10-257-017B-251699
Sequence 251699, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 251699
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061418
US-10-257-017B-251699

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 679 TGCAGCGGAAG 689
Db 1 TGCAGCGGAAG 11

RESULT 2290
US-10-257-017B-251700/c
Sequence 251700, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 251700
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061418
US-10-257-017B-251700

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 679 TGCAGCGGAAG 689
Db 13 TGCAGCGGAAG 3

RESULT 2291
US-10-257-017B-251733
Sequence 251733, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 251733
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008682
US-10-257-017B-251733

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGTACTTTT 679
Db 1 GGTACTTTT 11

RESULT 2292
US-10-257-017B-251734/c

```
; Sequence 251734, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 251734
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00006892
US-10-257-017B-251734

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 669 GGGTTTACTTT 679
Db 13 GGGTTTAAATT 3

RESULT 2293
US-10-257-017B-252021/c
; Sequence 252021, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252021
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061499
US-10-257-017B-252021

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAATT 713
Db 12 TATCCGAATT 2

RESULT 2294
US-10-257-017B-252022
; Sequence 252022, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252022
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061499
US-10-257-017B-252022

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAATT 713
Db 2 TATCCGAATT 12

RESULT 2295
US-10-257-017B-252251
; Sequence 252251, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252251
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010299
US-10-257-017B-252251

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATCG 761
Db 2 TGATAATGTGG 12

RESULT 2296
US-10-257-017B-252252/c
; Sequence 252252, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252252
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```


OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010299
US-10-257-017B-252252

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 751 TGATAATATGG 761
|||||
Db 12 TGATAATGTGG 2

RESULT 2297
US-10-257-017B-254317
; Sequence 254317, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 254317
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001640
US-10-257-017B-254317

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 667 GAGGGTTTACT 677
|||||
Db 2 GAGGGTTTATT 12

RESULT 2298
US-10-257-017B-254318/c
; Sequence 254318, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 254318
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001640
US-10-257-017B-254318

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 667 GAGGGTTTACT 677
|||||

Db 12 GAGGGTTTATT 2

RESULT 2299
US-10-257-017B-254853/c
; Sequence 254853, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 254853
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062119
US-10-257-017B-254853

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATAA 756
|||||
Db 11 ATTATTATATA 1

RESULT 2300
US-10-257-017B-254854
; Sequence 254854, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 254854
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062119
US-10-257-017B-254854

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATTGATAA 756
|||||
Db 3 ATTATTATATA 13

RESULT 2301
US-10-257-017B-255533/c
; Sequence 255533, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 255533
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062287
US-10-257-017B-255534

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
Db      11 ATTAATAATAT 1

RESULT 2302
US-10-257-017B-255534
; Sequence 255534, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 255534
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062287
US-10-257-017B-255534

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      749 ATTGATAATAT 759
Db      3 ATTAATAATAT 13

RESULT 2303
US-10-257-017B-255791
; Sequence 255791, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 255791
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062333
US-10-257-017B-255792

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; SEQ ID NO 255791
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062333
US-10-257-017B-255791

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      742 GAGGATTATTGAT 754
Db      1 GAGAGTTATTGAY 13

RESULT 2304
US-10-257-017B-255792/c
; Sequence 255792, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 255792
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062333
US-10-257-017B-255792

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      742 GAGGATTATTGAT 754
Db      13 GAGAGTTATTGAY 1

RESULT 2305
US-10-257-017B-256069/c
; Sequence 256069, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256069
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062393
US-10-257-017B-256069

Query Match      7.8%; Score 9.4; DB 1; Length 13;

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```
Best Local Similarity 90.9%; Pred. No. 9.2e+02; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 1;

Qy 749 ATTGATAATAT 759
Db 13 ATTATATATAT 3

RESULT 2306
US-10-257-017B-256070
; Sequence 256070, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256070
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062393
US-10-257-017B-256070

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 749 ATTGATAATAT 759
Db 1 ATTATATATAT 11

RESULT 2307
US-10-257-017B-256655/c
; Sequence 256655, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256655
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062508
US-10-257-017B-256655

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 730 ACCTTTTACCT 740
Db 12 ACCTTTTACT 2

RESULT 2308
US-10-257-017B-256656
; Sequence 256656, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256656
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062508
US-10-257-017B-256656

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 730 ACCTTTTACCT 740
Db 2 ACCTTTTACT 12

RESULT 2309
US-10-257-017B-257231
; Sequence 257231, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 257231
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005066
US-10-257-017B-257231

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 752 GATATATGGG 762
Db 1 GATATATGGG 11

RESULT 2310
US-10-257-017B-257232/c
; Sequence 257232, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; OTHER INFORMATION: methylation
```

```
US-10-257-017B-256656
; Sequence 256656, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 256656
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062508
US-10-257-017B-256656

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 730 ACCTTTTACCT 740
Db 2 ACCTTTTACT 12

RESULT 2309
US-10-257-017B-257231
; Sequence 257231, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 257231
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005066
US-10-257-017B-257231

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 752 GATATATGGG 762
Db 1 GATATATGGG 11

RESULT 2310
US-10-257-017B-257232/c
; Sequence 257232, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; OTHER INFORMATION: methylation
```

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 257232
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005066
US-10-257-017B-257232

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATATATGGG 762
Db 13 GATATATGGG 3

RESULT 2311
US-10-257-017B-257291
; Sequence 257291, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 257291
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00062624
US-10-257-017B-257291

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 1 ATAATATGGGT 11

RESULT 2312
US-10-257-017B-257292/c
; Sequence 257292, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 257292
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062624
US-10-257-017B-257292

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 753 ATAATATGGGT 763
Db 13 ATAATATGGGT 3

RESULT 2313
US-10-257-017B-258123/c
; Sequence 258123, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258123
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062761
US-10-257-017B-258123

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
Db 11 ATTGATAATAT 1

RESULT 2314
US-10-257-017B-258124
; Sequence 258124, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258124
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062761
US-10-257-017B-258124

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759

Db 3 ATTAATAAT 13
||| |||||
RESULT 2315
US-10-257-017B-258697/c
; Sequence 258697, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258697
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005882
US-10-257-017B-258697

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCGGAATT 713
|||||||
Db 11 TACCGGAACT 1

RESULT 2316
US-10-257-017B-258698
; Sequence 258698, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258698
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005882
US-10-257-017B-258698

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCGGAATT 713
|||||||
Db 3 TACCGGAACT 13

RESULT 2317
US-10-257-017B-258729
; Sequence 258729, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258729
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062890
US-10-257-017B-258729

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
|||||||
Db 1 GATTATTGTA 11

RESULT 2318
US-10-257-017B-258730/c
; Sequence 258730, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258730
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062890
US-10-257-017B-258730

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 745 GATTATTGATA 755
|||||||
Db 13 GATTATTGTA 3

RESULT 2319
US-10-257-017B-258907
; Sequence 258907, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258907
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000654
US-10-257-017B-258907

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
|||||
Db 2 TATTATAATA 12

RESULT 2320
US-10-257-017B-258908/c
; Sequence 258908, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258908
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000654
US-10-257-017B-258908

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 748 TATTGATAATA 758
|||||
Db 12 TATTATAATA 2

RESULT 2321
US-10-257-017B-259745
; Sequence 259745, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259745
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00063082
US-10-257-017B-259745

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 669 GGGTTTACTTT 679
|||||
Db 1 GGGTTTATTT 11

RESULT 2322
US-10-257-017B-259746/c
; Sequence 259746, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259746
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00063082
US-10-257-017B-259746

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 669 GGGTTTACTTT 679
|||||
Db 13 GGGTTTATTT 3

RESULT 2323
US-10-257-017B-262015
; Sequence 262015, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262015
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00063569
US-10-257-017B-262015

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 744 GGATTATTCAT 754
|||||
Db 3 GTATTATTCAT 13

```
RESULT 2324
US-10-257-017B-262016/C
; Sequence 262016, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262016
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063569
US-10-257-017B-262016

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGAT 754
Db      11 GTATTATTGAT 1

RESULT 2325
US-10-257-017B-262025
; Sequence 262025, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262025
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063572
US-10-257-017B-262025

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGAT 754
Db      1 GGATTATTAGAT 11

RESULT 2326
US-10-257-017B-262026/C
; Sequence 262026, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262026
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063572
US-10-257-017B-262026

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      744 GGATTATTGAT 754
Db      13 GGATTATTAGAT 3

RESULT 2327
US-10-257-017B-262239
; Sequence 262239, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262239
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004598
US-10-257-017B-262239

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      733 TTTTACCTTGA 743
Db      1 TTTTACGTGTA 11

RESULT 2328
US-10-257-017B-262240/C
; Sequence 262240, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262240
; LENGTH: 13
; TYPE: DNA
```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004588
US-10-257-017B-262240

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 733 TTTTACCTTGA 743
Db 13 TTTTACCTTGA 3

RESULT 2329
US-10-257-017B-262753
; Sequence 262753, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262753
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063740
US-10-257-017B-262753

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 757
Db 1 TTATAGATAAT 11

RESULT 2330
US-10-257-017B-262754/c
; Sequence 262754, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262754
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063740
US-10-257-017B-262754

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 747 TTATTGATAAT 757
Db 13 TTATAGATAAT 3

RESULT 2331
US-10-257-017B-262967
; Sequence 262967, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262967
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008951
US-10-257-017B-262967

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 743 AGGATTATTGA 753
Db 2 AGGAATATTGA 12

RESULT 2332
US-10-257-017B-262968/c
; Sequence 262968, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262968
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008951
US-10-257-017B-262968

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 743 AGGATTATTGA 753
Db 12 AGGAATATTGA 2

RESULT 2333
US-10-257-017B-263215/c
; Sequence 263215, Application US/10257017B
; GENERAL INFORMATION:

APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
PRIORITY FILING DATE: 2002-10-07
PRIORITY FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 263215
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000489
US-10-257-017B-263215

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
|||||
Db 12 TACCCGAAAT 2

RESULT 2334
US-10-257-017B-263216
Sequence 263216, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIORITY FILING DATE: 2000-04-07
PRIORITY FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 263216
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000489
US-10-257-017B-263216

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 703 TACCCGAAATT 713
|||||
Db 2 TACCCGAAAT 12

RESULT 2335
US-10-257-017B-263317
Sequence 263317, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIORITY FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 264161
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00064009
US-10-257-017B-264161

PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 263317
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00063856
US-10-257-017B-263317

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
|||||
Db 1 GATAATTTGGG 11

RESULT 2336
US-10-257-017B-263318/c
Sequence 263318, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIORITY FILING DATE: 2000-04-07
PRIORITY FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 263318
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00063856
US-10-257-017B-263318

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
|||||
Db 13 GATAATTTGGG 3

RESULT 2337
US-10-257-017B-264161
Sequence 264161, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIORITY FILING DATE: 2000-04-07
PRIORITY FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 264161
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00064009
US-10-257-017B-264161

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 694 TGATTGCTGTA 704
|||||
Db 2 TGATTGGTGA 12

RESULT 2338
US-10-257-017B-264162/c
; Sequence 264162, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 264162
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064009
US-10-257-017B-264162

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 694 TGATTGCTGTA 704
|||||
Db 12 TGATTGGTGA 2

RESULT 2339
US-10-257-017B-265239/c
; Sequence 265239, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 265239
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064262
US-10-257-017B-265239

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
|||||
Db 13 ATTAATAATAT 3

RESULT 2340
US-10-257-017B-265240
; Sequence 265240, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 265240
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064262
US-10-257-017B-265240

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 749 ATTGATAATAT 759
|||||
Db 1 ATTAATAATAT 11

RESULT 2341
US-10-708-951-21708/c
; Sequence 21708, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIA
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21708
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-21708

Query Match 7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 658 CTTTGACAGACAGA 668
|||||
Db 12 CTTTGACTGCA 2

RESULT 2342
US-10-708-951-21787/c
; Sequence 21787, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIA
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21787

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; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-21787

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 658 CTTGGACAGCA 668
   |||||
Db 13 CTTGGACTGA 3

RESULT 2343
US-10-708-951-22412
; Sequence 22412, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 22412
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-22412

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 72.7%; Pred. No. 9.2e+02;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 700 CTGTACCCGAA 710
   |||||
Db 3 CUGUCCCGAA 13

RESULT 2344
US-10-708-951-25523
; Sequence 25523, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 25523
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-25523

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 63.6%; Pred. No. 9.2e+02;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
   |||||
Db 1 GAUAAUAGAG 11

RESULT 2345
US-10-708-951-28038
; Sequence 28038, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
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; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28038
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-28038

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 63.6%; Pred. No. 9.2e+02;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
   |||||
Db 1 GAUAAUAGAG 11

RESULT 2346
US-10-708-951-29202/c
; Sequence 29202, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29202
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-29202

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 707 CGAAATTGCTG 717
   |||||
Db 13 CGAAATTGCTG 3

RESULT 2347
US-10-708-951-29288/c
; Sequence 29288, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29288
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-29288

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATGG 761
   |||||
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```
Db      11 TGATAATAG 1

RESULT 2348
US-10-708-951-29566
; Sequence 29566, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29566
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-29566

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 63.6%; Pred. No. 9.2e+02;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      752 TGATAATAGG 762
      ||:|:|:|:|
Db      1 GAUAAUAG 11

RESULT 2349
US-10-708-951-32589
; Sequence 32589, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32589
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-32589

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 63.6%; Pred. No. 9.2e+02;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      752 GATAATATGG 762
      ||:|:|:|:|
Db      1 GAUAAUAG 11

RESULT 2350
US-10-708-951-34034
; Sequence 34034, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 34034
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-34034

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 63.6%; Pred. No. 9.2e+02;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      752 GATAATATGG 762
      ||:|:|:|:|
Db      1 GAUAAUAG 11

RESULT 2351
US-10-708-951-35011
; Sequence 35011, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35011
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-35011

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 72.7%; Pred. No. 9.2e+02;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      713 TGCTGTGGGCC 723
      :||:|:|:|
Db      2 UGCCGUGGGCC 12

RESULT 2352
US-10-708-951-35672
; Sequence 35672, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35672
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-35672

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 72.7%; Pred. No. 9.2e+02;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      699 GCTGTATCCCGA 709
      ||:|:|:|
Db      1 GCUGUACGCGA 11

RESULT 2353
US-10-708-951-36626/c
; Sequence 36626, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
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US-10-708-951-34034

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 72.7%; Pred. No. 9.2e+02;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      713 TGCTGTGGGCC 723
      :||:|:|:|
Db      1 UGCCGUGGGCC 11

RESULT 2351
US-10-708-951-35011
; Sequence 35011, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35011
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-35011

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 72.7%; Pred. No. 9.2e+02;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      713 TGCTGTGGGCC 723
      :||:|:|:|
Db      2 UGCCGUGGGCC 12

RESULT 2352
US-10-708-951-35672
; Sequence 35672, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35672
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-35672

Query Match      7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 72.7%; Pred. No. 9.2e+02;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      699 GCTGTATCCCGA 709
      ||:|:|:|
Db      1 GCUGUACGCGA 11

RESULT 2353
US-10-708-951-36626/c
; Sequence 36626, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
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; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36626
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-36626

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      658 CTTTGGACAGA 668
      |||||
Db      13 CTTTGGACTGA 3

RESULT 2354
US-10-708-951-36811/c
; Sequence 36811, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36811
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-36811

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      658 CTTTGGACAGA 668
      |||||
Db      12 CTTTGGACTGA 2

RESULT 2355
US-10-708-951-37541/c
; Sequence 37541, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 37541
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-37541

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      658 CTTTGGACAGA 668
      |||||
Db      12 CTTTGGACTGA 2
```

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RESULT 2356
US-10-708-951-37917/c
; Sequence 37917, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 37917
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-37917

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      658 CTTTGGACAGA 668
      |||||
Db      13 CTTTGGACTGA 3

RESULT 2357
US-10-708-951-38416/c
; Sequence 38416, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 38416
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-38416

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      658 CTTTGGACAGA 668
      |||||
Db      13 CTTTGGACTGA 3

RESULT 2358
US-10-708-951-38655/c
; Sequence 38655, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 38655
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-38655

Query Match          7.8%; Score 9.4; DB 1; Length 13;
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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 44220
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-44220

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 63.6%; Pred. No. 9.2e+02;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
DB 1 GAUAAUAGAG 11
|||||
|:|:|:|

RESULT 2362
US-10-708-951-44435/c
; Sequence 44435, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 44435
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-44435

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 707 CGAAATTGCTG 717
DB 13 CGAAATTGCTG 3
|||||
|:|:|:|

RESULT 2363
US-10-708-951-47292
; Sequence 47292, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 47292
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-47292

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 72.7%; Pred. No. 9.2e+02;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 700 CTGTACCCGAA 710
DB 3 CUGUCCCCGAA 13
|||||
|:|:|:|

RESULT 2364
US-10-708-951-49986
; Sequence 49986, Application US/10708951
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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 43407
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-43407

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATGG 761
DB 11 TGATAATATAG 1
|||||
|:|:|:|

RESULT 2361
US-10-708-951-44220
; Sequence 44220, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
```

```
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 43407
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-43407

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATGG 761
DB 11 TGATAATATAG 1
|||||
|:|:|:|

RESULT 2361
US-10-708-951-44220
; Sequence 44220, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
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```
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 43407
; LENGTH: 13
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-43407

Query Match          7.8%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 9.2e+02;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 751 TGATAATATGG 761
DB 11 TGATAATATAG 1
|||||
|:~|:~|:~|

RESULT 2361
US-10-708-951-44220
; Sequence 44220, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
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; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-28018

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 63.6%; Pred. No. 1e+03;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
DB 2 GAUAAUAGAG 12

RESULT 2370
US-10-708-951-29438/c
; Sequence 29438, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29438
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-29438

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 1e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 707 CGAAATTGCTG 717
DB 13 CGAAATTGCTG 3

RESULT 2371
US-10-708-951-29584
; Sequence 29584, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29584
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-29584

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 63.6%; Pred. No. 1e+03;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
DB 2 GAUAAUAGAG 12

RESULT 2372
US-10-708-951-33817
; Sequence 33817, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL

; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 33817
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-33817

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 63.6%; Pred. No. 1e+03;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 752 GATAATATGGG 762
DB 2 GAUAAUAGAG 12

RESULT 2373
US-10-708-951-34035
; Sequence 34035, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 34035
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-34035

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 1e+03;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 713 TGCTGTGGGCC 723
DB 1 UGCCGUGGCC 11

RESULT 2374
US-10-708-951-34247
; Sequence 34247, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 34247
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-34247

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 1e+03;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 699 GCTGTACCGCA 709
DB 1 GCUGACGGCA 11

RESULT 2375
US-10-708-951-34736
; Sequence 34736, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10708,951
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 34736
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-34736

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 1e+03;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 713 TGGTGTGGGCC 723
||| |
Db 4 UGCCGUGGCC 14

RESULT 2376
US-10-708-951-35612
; Sequence 35612, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10708,951
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35612
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-35612

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 1e+03;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 713 TGGTGTGGGCC 723
||| |
Db 3 UGCCGUGGCC 13

RESULT 2377
US-10-708-951-35832
; Sequence 35832, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10708,951
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35832
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-35832

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 1e+03;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 699 GCTGTACCGCA 709
||| |
Db 2 GCUGUACGCGA 12

RESULT 2378
US-10-708-951-43202
; Sequence 43202, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 43202
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-43202

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 1e+03;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 699 GCTGTACCGCA 709
||| |
Db 2 GCUGUACGCGA 12

RESULT 2379
US-10-708-951-44436/c
; Sequence 44436, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 44436
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-44436

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 1e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 707 CGAATTGCTG 717
||| |
Db 13 CGAATTGCTG 3

RESULT 2380
US-10-708-951-44799
; Sequence 44799, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10708,951

; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 44799
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-44799

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 1e+03;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 713 TGCTGTGGGCC 723
: ||| : |||
Db 3 UGCCGUGGCC 13

RESULT 2381

US-10-708-951-47535
; Sequence 47535, Application US/10708951
; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951

; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824

; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 47535

; LENGTH: 14

; TYPE: RNA

; ORGANISM: Homo sapiens

US-10-708-951-47535

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 63.6%; Pred. No. 1e+03;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 752 GATATATGGG 762
||| : |||
Db 2 GAUAAUAGG 12

RESULT 2382

US-10-708-951-51189
; Sequence 51189, Application US/10708951
; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

; FILE REFERENCE: 55034

; CURRENT APPLICATION NUMBER: US/10/708,951

; CURRENT FILING DATE: 2004-04-02

; NUMBER OF SEQ ID NOS: 59824

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 51189

; LENGTH: 14

; TYPE: RNA

; ORGANISM: Homo sapiens

US-10-708-951-51189

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 1e+03;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 699 GCTGTACCCGA 709
||| : |||
Db 1 GCUGUAGCGA 11

RESULT 2383

US-10-708-951-52847
; Sequence 52847, Application US/10708951
; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

; FILE REFERENCE: 55034

; CURRENT APPLICATION NUMBER: US/10/708,951

; CURRENT FILING DATE: 2004-04-02

; NUMBER OF SEQ ID NOS: 59824

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 52847

; LENGTH: 14

; TYPE: RNA

; ORGANISM: Homo sapiens

US-10-708-951-52847

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 1e+03;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 713 TGCTGTGGGCC 723
: ||| : |||
Db 1 UGCCGUGGCC 11

RESULT 2384

US-10-708-951-52883
; Sequence 52883, Application US/10708951
; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD

; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

; FILE REFERENCE: 55034

; CURRENT APPLICATION NUMBER: US/10/708,951

; CURRENT FILING DATE: 2004-04-02

; NUMBER OF SEQ ID NOS: 59824

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 52883

; LENGTH: 14

; TYPE: RNA

; ORGANISM: Homo sapiens

US-10-708-951-52883

Query Match 7.8%; Score 9.4; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 1e+03;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 713 TGCTGTGGGCC 723
: ||| : |||
Db 4 UGCCGUGGCC 14

RESULT 2385

US-10-799-238-2/c
; Sequence 2, Application US/10799238
; GENERAL INFORMATION:

; APPLICANT: Richelson, Elliott

; APPLICANT: Tyler, Beth Marie

; APPLICANT: Cusack, Bernadette Marie

; APPLICANT: Douglas, Christopher Lee

; APPLICANT: Jansen, Karen

; TITLE OF INVENTION: USING POLYAMIDE NUCLEIC ACID OLIGOMERS

; TO ENGENDER A BIOLOGICAL RESPONSE

; FILE REFERENCE: 07039/126001

; CURRENT APPLICATION NUMBER: US/10/799,238

; CURRENT FILING DATE: 2004-03-12

; PRIOR APPLICATION NUMBER: US/09/168,791

; PRIOR FILING DATE: 1998-10-08

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 2

; LENGTH: 14

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; TYPE: DNA
; ORGANISM: Rat
US-10-799-238-2

Query Match      7.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 1.1e+03;
Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      682 AGCGGAAGATACGTG 695
Db      14 AGAGGAAGAGGCTG 1

RESULT 2386
US-10-708-951-19759
; Sequence 19759, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19759
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-19759

Query Match      7.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 64.3%; Pred. No. 1.1e+03;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      657 GCTTTGGACAGG 670
Db      1 GCUAGAACAAGG 14

RESULT 2387
US-10-708-951-21880
; Sequence 21880, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21880
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-21880

Query Match      7.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 57.1%; Pred. No. 1.1e+03;
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      654 ACAGCTTTGGACAG 667
Db      1 AAAGCUUUGGACG 14

RESULT 2388
US-10-708-951-36304/c
; Sequence 36304, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
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; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36304
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-36304

Query Match      7.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 1.1e+03;
Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      681 CAGCGGAAGATAC 694
Db      14 CAGCGGAAGTACT 1

RESULT 2389
US-10-708-951-36696
; Sequence 36696, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36696
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-36696

Query Match      7.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 57.1%; Pred. No. 1.1e+03;
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      654 ACAGCTTTGGACAG 667
Db      1 AAAGCUUUGGACG 14

RESULT 2390
US-10-708-951-37636
; Sequence 37636, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 37636
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-37636

Query Match      7.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 57.1%; Pred. No. 1.1e+03;
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      654 ACAGCTTTGGACAG 667
Db      1 AAAGCUUUGGACG 14
```

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RESULT 2391
US-10-708-951-38625
; Sequence 38625, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 38625
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-38625

Query Match      7.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 57.1%; Pred. No. 1.1e+03;
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      654 ACAGCTTTGGACAG 667
DB      1 AAAGCUUUGGCAG 14

RESULT 2392
US-10-708-951-40052
; Sequence 40052, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 40052
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-40052

Query Match      7.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 57.1%; Pred. No. 1.1e+03;
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      654 ACAGCTTTGGACAG 667
DB      1 AAAGCUUUGGCAG 14

RESULT 2393
US-10-708-951-41466/c
; Sequence 41466, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 41466
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-41466

Query Match      7.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 57.1%; Pred. No. 1.1e+03;
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      654 ACAGCTTTGGACAG 667
DB      1 AAAGCUUUGGCAG 14

RESULT 2394
US-10-708-951-44859
; Sequence 44859, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 44859
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-44859

Query Match      7.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 64.3%; Pred. No. 1.1e+03;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      657 GCTTTGGACAGG 670
DB      1 GCUUAGAACAGG 14

RESULT 2395
US-10-770-726-32932/c
; Sequence 32932, Application US/10770726
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM101079 (031896-010000)
; CURRENT APPLICATION NUMBER: US/10/770,726
; CURRENT FILING DATE: 2004-02-04
; NUMBER OF SEQ ID NOS: 48640
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 32932
; LENGTH: 21
; TYPE: RNA
; ORGANISM: RNAi
US-10-770-726-32932

Query Match      7.4%; Score 9; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      761 GGTCAAGAA 769
DB      9 GGTCAAGAA 1

RESULT 2396
US-10-257-017B-283212/c
; Sequence 283212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```

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Query Match      7.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 1.1e+03;
Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      681 CAGCGGAAGATACT 694
DB      14 CAGCGGAAGATACT 1

RESULT 2397
US-10-708-951-44859
; Sequence 44859, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; TITLE OF INVENTION: AND BACTERIAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 44859
; LENGTH: 14
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-44859

Query Match      7.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 64.3%; Pred. No. 1.1e+03;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      657 GCTTTGGACAGG 670
DB      1 GCUUAGAACAGG 14

RESULT 2398
US-10-770-726-32932/c
; Sequence 32932, Application US/10770726
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM101079 (031896-010000)
; CURRENT APPLICATION NUMBER: US/10/770,726
; CURRENT FILING DATE: 2004-02-04
; NUMBER OF SEQ ID NOS: 48640
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 32932
; LENGTH: 21
; TYPE: RNA
; ORGANISM: RNAi
US-10-770-726-32932

Query Match      7.4%; Score 9; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      761 GGTCAAGAA 769
DB      9 GGTCAAGAA 1

RESULT 2399
US-10-257-017B-283212/c
; Sequence 283212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 283212
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011204
US-10-257-017B-283212

Query Match 7.3%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAAT 757
Db 12 ATTATCAATAAT 1

RESULT 2397

US-10-257-017B-348024
; Sequence 348024, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 348024
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045403
US-10-257-017B-348024

Query Match 7.3%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAAT 757
Db 1 ATTATCTATAAT 12

RESULT 2398

US-10-257-017B-360776/c
; Sequence 360776, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360776

; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052285
US-10-257-017B-360776

Query Match 7.3%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAAT 757
Db 12 ATTATAATAAT 1

RESULT 2399

US-10-257-017B-368341
; Sequence 368341, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368341
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0056938
US-10-257-017B-368341

Query Match 7.3%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAAT 757
Db 1 ATTATAATAAT 12

RESULT 2400

US-10-257-017B-287182
; Sequence 287182, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 287182
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012985
US-10-257-017B-287182

Query Match 7.3%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;

```
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
Db 1 TTATAAATAATA 12

RESULT 2401
US-10-257-017B-298231/c
; Sequence 298231, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 298231
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017976
US-10-257-017B-298231

Query Match 7.3%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
Db 12 TTATAAATAATA 1

RESULT 2402
US-10-257-017B-319568/c
; Sequence 319568, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 319568
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029297
US-10-257-017B-319568

Query Match 7.3%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
Db 12 TTATGAATAATA 1

RESULT 2403
US-10-257-017B-344763/c
; Sequence 344763, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344763
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009010
US-10-257-017B-344763

Query Match 7.3%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
Db 12 TTATTATTATAA 1

RESULT 2404
US-10-257-017B-345320
; Sequence 345320, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 345320
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006044
US-10-257-017B-345320

Query Match 7.3%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
Db 1 TTATTATTATAA 12

RESULT 2405
US-10-257-017B-378492/c
; Sequence 378492, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 378492
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062802
US-10-257-017B-378492

Query Match 7.3%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 748 TATTGATAAAT 757
|||||
Db 12 TATTAACAATAT 1

RESULT 2406
US-10-257-017B-67109/c
; Sequence 67109, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67109
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017577
US-10-257-017B-67109

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATGATAAT 757
|||||
Db 12 ATTATCAATAAT 1

RESULT 2407
US-10-257-017B-67110
; Sequence 67110, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67110
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for the detection of SNP TSC0062802
US-10-257-017B-378492

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017577
US-10-257-017B-67110
Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATGATAAT 757
|||||
Db 2 ATTATCAATAAT 13

RESULT 2408
US-10-257-017B-67107/c
; Sequence 67107, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67107
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017577
US-10-257-017B-67107

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATGATAAT 757
|||||
Db 12 ATTATCAATAAT 1

RESULT 2409
US-10-257-017B-67108
; Sequence 67108, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 67108
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017577
US-10-257-017B-67108

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATGATAAT 757
|||||

Db 2 ATTATAATAAT 13

RESULT 2410

US-10-257-017B-213721/c
; Sequence 213721, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 213721

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001139

US-10-257-017B-213721

Query Match 7.3%; Score 8.8; DB 1; Length 13;

Best Local Similarity 83.3%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759

Db 13 TATCAATAATAT 2

RESULT 2411

US-10-257-017B-213722

; Sequence 213722, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 213722

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001139

US-10-257-017B-213722

Query Match 7.3%; Score 8.8; DB 1; Length 13;

Best Local Similarity 83.3%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 748 TATTGATAATAT 759

Db 1 TATCAATAATAT 12

RESULT 2412

US-10-257-017B-77735/c

; Sequence 77735, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 77735
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019794
US-10-257-017B-77735

Query Match

7.3%; Score 8.8; DB 1; Length 13;

Best Local Similarity 83.3%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757

Db 13 ATCAATAATAAT 2

RESULT 2413

US-10-257-017B-77736

; Sequence 77736, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 77736

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019794
US-10-257-017B-77736

Query Match

7.3%; Score 8.8; DB 1; Length 13;

Best Local Similarity 83.3%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757

Db 1 ATCAATAATAAT 12

RESULT 2414

US-10-257-017B-122705/c

; Sequence 122705, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 122705
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030669
US-10-257-017B-122705

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
|||||
Db 12 ATTAACGATAAT 1

RESULT 2415
US-10-257-017B-122706
; Sequence 122706, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122706
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030669
US-10-257-017B-122706

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
|||||
Db 2 ATTAACGATAAT 13

RESULT 2416
US-10-257-017B-130997/c
; Sequence 130997, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 130997
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032695
US-10-257-017B-130997

Query Match 7.3%; Score 8.8; DB 1; Length 13;

Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 746 ATTATTGATAAT 757
|||||
Db 12 AATATTATAAT 1

RESULT 2417
US-10-257-017B-130998
; Sequence 130998, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 130998
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032695
US-10-257-017B-130998

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
|||||
Db 2 AATATTATAAT 13

RESULT 2418
US-10-257-017B-143133
; Sequence 143133, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143133
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035903
US-10-257-017B-143133

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAA 756
|||||
Db 2 GATTATTGATAA 13

RESULT 2419

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US-10-257-017B-143134/c
; Sequence 143134, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143134
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035903
US-10-257-017B-143134

Query Match      7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 745 GATTATTGATAA 756
Db 12 GATTATTGATAA 1

RESULT 2420
US-10-257-017B-191097
; Sequence 191097, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191097
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047017
US-10-257-017B-191097

Query Match      7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
Db 2 ATAATCGATAAT 13

RESULT 2421
US-10-257-017B-191098/c
; Sequence 191098, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191098
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047017
US-10-257-017B-191098

Query Match      7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
Db 12 ATAATCGATAAT 1

RESULT 2422
US-10-257-017B-219209/c
; Sequence 219209, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219209
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053298
US-10-257-017B-219209

Query Match      7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
Db 13 ATTATTAAAAAT 2

RESULT 2423
US-10-257-017B-219210
; Sequence 219210, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219210
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
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FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053298
US-10-257-017B-219210

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
|||||
Db 1 ATTATTAAAAAT 12

RESULT 2424
US-10-257-017B-265697/c
Sequence 265697, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 265697
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064393
US-10-257-017B-265697

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
|||||
Db 12 ATTCTTAATAAT 1

RESULT 2425
US-10-257-017B-265698
Sequence 265698, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 265698
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064393
US-10-257-017B-265698

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757

Db 2 ATTCTTAATAAT 13
|||||

RESULT 2426
US-10-257-017B-265701/c
Sequence 265701, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 265701
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064393
US-10-257-017B-265701

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
|||||
Db 12 ATTCTCGATAAT 1

RESULT 2427
US-10-257-017B-265702
Sequence 265702, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 265702
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064393
US-10-257-017B-265702

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
|||||
Db 2 ATTCTCGATAAT 13

RESULT 2428
US-10-257-017B-21577/c
Sequence 21577, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 21577
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004332
US-10-257-017B-21577

Query Match      7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      747 TTATTGATAATA 758
Db      12 TTATAATAATA 1

RESULT 2429
US-10-257-017B-21578
; Sequence 21578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 21578
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004332
US-10-257-017B-21578

Query Match      7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      747 TTATTGATAATA 758
Db      2 TTATAATAATA 13

RESULT 2430
US-10-257-017B-51957/c
; Sequence 51957, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07

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; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51957
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014474
US-10-257-017B-51957

Query Match      7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      748 TATTGATAATAT 759
Db      13 TATTAACAATAT 2

RESULT 2431
US-10-257-017B-51958
; Sequence 51958, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 51958
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014474
US-10-257-017B-51958

Query Match      7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      748 TATTGATAATAT 759
Db      1 TATTAACAATAT 12

RESULT 2432
US-10-257-017B-94473/c
; Sequence 94473, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 94473
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023561
US-10-257-017B-94473

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Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATA 758
|||||
Db 12 TTATAATAATA 1

RESULT 2433
US-10-257-017B-94474
; Sequence 94474, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 94474
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023561
US-10-257-017B-94474

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATA 758
|||||
Db 2 TTATAATAATA 13

RESULT 2434
US-10-257-017B-197631/c
; Sequence 197631, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197631
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048635
US-10-257-017B-197631

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATA 758
|||||
Db 13 TTATAATAATA 2

RESULT 2435
US-10-257-017B-197632
; Sequence 197632, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197632
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048635
US-10-257-017B-197632

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATA 758
|||||
Db 1 TTATAATAATA 12

RESULT 2436
US-10-257-017B-201367/c
; Sequence 201367, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201367
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004957
US-10-257-017B-201367

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAATA 758
|||||
Db 13 TTATCCATAATA 2

RESULT 2437
US-10-257-017B-201368
; Sequence 201368, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201368
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004957
US-10-257-017B-201368

; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201368
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004957
US-10-257-017B-201368

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTCGATAATA 758
|||||
Db 1 TTATCCATAATA 12

RESULT 2438
US-10-257-017B-230411
; Sequence 230411, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230411
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00056197
US-10-257-017B-230411

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATGATAAT 757
|||||
Db 1 ATTATTAATAGT 12

RESULT 2439
US-10-257-017B-230412/c
; Sequence 230412, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 230412
; LENGTH: 13
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00056197
US-10-257-017B-230412

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATGATAAT 757
|||||
Db 13 ATTATTAATAGT 2

RESULT 2440
US-10-257-017B-235933
; Sequence 235933, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 235933
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00057594
US-10-257-017B-235933

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTCGATAATA 758
|||||
Db 1 TTATTAATAATA 12

RESULT 2441
US-10-257-017B-235934/c
; Sequence 235934, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 235934
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00057594
US-10-257-017B-235934

Query Match 7.3%; Score 8.8; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAATA 758
| | | | |
Db 13 TTATAATAATA 2

RESULT 2442

US-10-257-017B-279400/c
; Sequence 279400, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279400
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007333
US-10-257-017B-279400

Query Match 6.9%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATA 755
| | | | |
Db 10 ATTATTATA 1

RESULT 2443

US-10-257-017B-326022/c
; Sequence 326022, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 326022
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032859
US-10-257-017B-326022

Query Match 6.9%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAAT 757
| | | | |
Db 12 TATTAATAAT 3

RESULT 2444

US-10-257-017B-326023/c
; Sequence 326023, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 326023
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032859
US-10-257-017B-326023

Query Match 6.9%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAAT 757
| | | | |
Db 12 TATTAATAAT 3

RESULT 2445

US-10-257-017B-338929/c
; Sequence 338929, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338929
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040751
US-10-257-017B-338929

Query Match 6.9%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATA 755
| | | | |
Db 11 ATTATTATA 2

RESULT 2446

US-10-257-017B-371409/c
; Sequence 371409, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

;; PRIOR FILING DATE: 2000-04-07
;; NUMBER OF SEQ ID NOS: 382046
;; SEQ ID NO 371409
;; LENGTH: 12
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058756
US-10-257-017B-371409

Query Match 6.9%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATCGATA 755
|||||
Db 10 ATTATCGATA 1

RESULT 2447
US-10-257-017B-51959
;; Sequence 51959, Application US/10257017B
;; GENERAL INFORMATION:
;; APPLICANT: Alexander Olek
;; APPLICANT: Christian Piepenbrock
;; APPLICANT: Kurt Berlin
;; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
;; FILE OF INVENTION: methylations
;; FILE REFERENCE: E01/1193/WO
;; CURRENT APPLICATION NUMBER: US/10/257,017B
;; CURRENT FILING DATE: 2002-10-07
;; PRIOR APPLICATION NUMBER: DE 10019173.8
;; PRIOR FILING DATE: 2000-04-07
;; NUMBER OF SEQ ID NOS: 382046
;; SEQ ID NO 51959
;; LENGTH: 13
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014474
US-10-257-017B-51959

Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATCGATA 755
|||||
Db 4 ATTATCGATA 13

RESULT 2448
US-10-257-017B-51960/c
;; Sequence 51960, Application US/10257017B
;; GENERAL INFORMATION:
;; APPLICANT: Alexander Olek
;; APPLICANT: Christian Piepenbrock
;; APPLICANT: Kurt Berlin
;; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
;; FILE OF INVENTION: methylations
;; FILE REFERENCE: E01/1193/WO
;; CURRENT APPLICATION NUMBER: US/10/257,017B
;; CURRENT FILING DATE: 2002-10-07
;; PRIOR APPLICATION NUMBER: DE 10019173.8
;; PRIOR FILING DATE: 2000-04-07
;; NUMBER OF SEQ ID NOS: 382046
;; SEQ ID NO 51960
;; LENGTH: 13
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014474
US-10-257-017B-51960

Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATCGATA 755
|||||
Db 10 ATTATCGATA 1

RESULT 2449
US-10-257-017B-129359/c
;; Sequence 129359, Application US/10257017B
;; GENERAL INFORMATION:
;; APPLICANT: Alexander Olek
;; APPLICANT: Christian Piepenbrock
;; APPLICANT: Kurt Berlin
;; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
;; FILE OF INVENTION: methylations
;; FILE REFERENCE: E01/1193/WO
;; CURRENT APPLICATION NUMBER: US/10/257,017B
;; CURRENT FILING DATE: 2002-10-07
;; PRIOR APPLICATION NUMBER: DE 10019173.8
;; PRIOR FILING DATE: 2000-04-07
;; NUMBER OF SEQ ID NOS: 382046
;; SEQ ID NO 129359
;; LENGTH: 13
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032360
US-10-257-017B-129359

Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATCGATA 755
|||||
Db 11 ATTATCGATA 2

RESULT 2450
US-10-257-017B-129360
;; Sequence 129360, Application US/10257017B
;; GENERAL INFORMATION:
;; APPLICANT: Alexander Olek
;; APPLICANT: Christian Piepenbrock
;; APPLICANT: Kurt Berlin
;; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
;; FILE OF INVENTION: methylations
;; FILE REFERENCE: E01/1193/WO
;; CURRENT APPLICATION NUMBER: US/10/257,017B
;; CURRENT FILING DATE: 2002-10-07
;; PRIOR APPLICATION NUMBER: DE 10019173.8
;; PRIOR FILING DATE: 2000-04-07
;; NUMBER OF SEQ ID NOS: 382046
;; SEQ ID NO 129360
;; LENGTH: 13
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032360
US-10-257-017B-129360

Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 746 ATTATCGATA 755
|||||
Db 3 ATTATCGATA 12

RESULT 2451
US-10-257-017B-213717/C
; Sequence 213717, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213717
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001139
US-10-257-017B-213717
Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 746 ATTATTGATA 755
Db 10 ATTATTATA 1
RESULT 2452
US-10-257-017B-213718
; Sequence 213718, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213718
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001139
US-10-257-017B-213718
Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 746 ATTATTGATA 755
Db 4 ATTATTATA 13
RESULT 2453
US-10-257-017B-36583
; Sequence 36583, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36583
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011470
US-10-257-017B-36583
Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 747 TTATTGATAA 756
Db 4 TTATTATAA 13
RESULT 2454
US-10-257-017B-36584/C
; Sequence 36584, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36584
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011470
US-10-257-017B-36584
Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 747 TTATTGATAA 756
Db 10 TTATTATAA 1
RESULT 2455
US-10-257-017B-212719
; Sequence 212719, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 212719
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051828
US-10-257-017B-212719

Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 761 GGTCAAGAAG 770
|||||
Db 4 GGTCAAGAAG 13

RESULT 2456
US-10-257-017B-212720/c
; Sequence 212720, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 212720
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051828
US-10-257-017B-212720

Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 761 GGTCAAGAAG 770
|||||
Db 10 GGTCAAGAAG 1

RESULT 2457
US-10-257-017B-235651/c
; Sequence 235651, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 235651
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057535
US-10-257-017B-235651

Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATA 755
|||||
Db 10 ATTATTATA 1

RESULT 2458
US-10-257-017B-235652
; Sequence 235652, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 235652
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057535
US-10-257-017B-235652

Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 746 ATTATTGATA 755
|||||
Db 4 ATTATTATA 13

RESULT 2459
US-10-257-017B-71237
; Sequence 71237, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71237
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018458
US-10-257-017B-71237

Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 75.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAAT 757
|||||
Db 2 ATTATTATAY 13

RESULT 2460
US-10-257-017B-71238/c
; Sequence 71238, Application US/10257017B

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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 71238
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018458
US-10-257-017B-71238

Query Match      6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 75.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
Db      12 ATTATTATTAA 1

RESULT 2461
US-10-257-017B-138059
; Sequence 138059, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138059
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034542
US-10-257-017B-138059

Query Match      6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 75.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
Db      12 ATTATTATTAA 1

RESULT 2462
US-10-257-017B-138060/c
; Sequence 138060, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138060
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034542
US-10-257-017B-138060

Query Match      6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 75.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAAT 757
Db      12 ATTATTATTAA 1

RESULT 2463
US-10-257-017B-196083
; Sequence 196083, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196083
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048258
US-10-257-017B-196083

Query Match      6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      748 TATTGATAAT 757
Db      2 TATTGATAAT 11

RESULT 2464
US-10-257-017B-196084/c
; Sequence 196084, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196084
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048258
```

US-10-257-017B-196084

Query Match 6.9%; Score 8.4; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.5e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 748 TATTGATAAT 757
|||||
DB 12 TATTATAAT 3

RESULT 2465

US-10-257-017B-134359/c
; Sequence 134359, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134359
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033487
US-10-257-017B-134359

Query Match 6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 746 ATTATTCATAATA 758
|||||
DB 13 ATTAACAATAATA 1

RESULT 2466

US-10-257-017B-134360
; Sequence 134360, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134360
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033487
US-10-257-017B-134360

Query Match 6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 746 ATTATTCATAATA 758
|||||
DB 1 ATTAACAATAATA 13

RESULT 2467

US-10-257-017B-191095/c
; Sequence 191095, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191095
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047017
US-10-257-017B-191095

Query Match 6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 746 ATTATTCATAATA 758
|||||
DB 13 ATTATCAATAATA 1

RESULT 2468

US-10-257-017B-191096
; Sequence 191096, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191096
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047017
US-10-257-017B-191096

Query Match 6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 746 ATTATTCATAATA 758
|||||
DB 1 ATTATCAATAATA 13

RESULT 2469

US-10-257-017B-234681
; Sequence 234681, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

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; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234681
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057287
US-10-257-017B-234681

Query Match      6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 744 GGATTATTGATAA 756
DB 1 GTATTATGATAA 13

RESULT 2470
US-10-257-017B-234682/c
; Sequence 234682, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234682
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057287
US-10-257-017B-234682

Query Match      6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 744 GGATTATTGATAA 756
DB 1 GTATTATGATAA 13

RESULT 2471
US-10-257-017B-228633
; Sequence 228633, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228633
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```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009636
US-10-257-017B-228633

Query Match      6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 753 ATAATATGGGTCA 765
DB 1 ATAATATGATAA 13

RESULT 2472
US-10-257-017B-228634/c
; Sequence 228634, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228634
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009636
US-10-257-017B-228634

Query Match      6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 753 ATAATATGGGTCA 765
DB 13 ATAATATGATAA 1

RESULT 2473
US-10-257-017B-31891
; Sequence 31891, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 31891
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009927
US-10-257-017B-31891

Query Match      6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
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Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 755 AATATGGGTCAAG 767
Db 1 AATATCGGTTAAG 13

RESULT 2474
US-10-257-017B-31892/c
; Sequence 31892, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 31892
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009927
US-10-257-017B-31892

Query Match 6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 755 AATATGGGTCAAG 767
Db 13 AATATCGGTTAAG 13

RESULT 2475
US-10-257-017B-104313/c
; Sequence 104313, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104313
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104313

Query Match 6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 747 TTATTGATAATAT 759
Db 13 TTATTACCAATAT 13

RESULT 2476
US-10-257-017B-104314
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; Sequence 104314, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 104314
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026075
US-10-257-017B-104314

Query Match 6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 747 TTATTGATAATAT 759
Db 1 TTATTACCAATAT 13

RESULT 2477
US-10-257-017B-122185
; Sequence 122185, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122185
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030537
US-10-257-017B-122185

Query Match 6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 754 TAATATGGGTCAA 766
Db 1 TAATTCGGTTAA 13

RESULT 2478
US-10-257-017B-122186/c
; Sequence 122186, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122186
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030537
US-10-257-017B-122186

Query Match      6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 754 TAATATGGGTCAA 766
DB 13 TAATTCGGTTAA 1

RESULT 2479
US-10-257-017B-201725
; Sequence 201725, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201725
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010748
US-10-257-017B-201725

Query Match      6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
DB 1 TTATAATAATTT 13

RESULT 2480
US-10-257-017B-201726/c
; Sequence 201726, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201726
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

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; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010748
US-10-257-017B-201726

Query Match      6.8%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.7e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
DB 13 TTATAATAATTT 1

RESULT 2481
US-10-708-951-29484/c
; Sequence 29484, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 29484
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-29484

Query Match      6.8%; Score 8.2; DB 1; Length 16;
Best Local Similarity 76.9%; Pred. No. 2e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
DB 13 TTATTATCAATAT 1

RESULT 2482
US-10-708-951-48030/c
; Sequence 48030, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 48030
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-48030

Query Match      6.8%; Score 8.2; DB 1; Length 16;
Best Local Similarity 76.9%; Pred. No. 2e+03;
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 747 TTATTGATAATAT 759
DB 13 TTATTATCAATAT 1

RESULT 2483
US-10-257-017B-324862
; Sequence 324862, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324862
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032268
US-10-257-017B-324862

Query Match      6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 1 TTATCAATAAT 11

RESULT 2484
US-10-257-017B-357906/c
; Sequence 357906, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357906
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC004855
US-10-257-017B-357906

Query Match      6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
Db 12 TTATCAATAAT 2

RESULT 2485
US-10-257-017B-270729
; Sequence 270729, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 270729
```

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; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002251
US-10-257-017B-270729

Query Match      6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 748 TATTGATAATA 758
Db 2 TATTACATAA 12

RESULT 2486
US-10-257-017B-278578/c
; Sequence 278578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278578
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006145
US-10-257-017B-278578

Query Match      6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
Db 11 ATTATAATAA 1

RESULT 2487
US-10-257-017B-279792/c
; Sequence 279792, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279792
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007836
US-10-257-017B-279792

Query Match      6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
Db 11 ATTATAATAA 1
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Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 748 TATTGTAATA 758
Db 12 TATTAAATA 2

RESULT 2488
US-10-257-017B-368691
; Sequence 368691, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368691
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0057155
US-10-257-017B-368691

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 746 ATTATGATAA 756
Db 2 ATTATGATAA 12

RESULT 2489
US-10-257-017B-371111
; Sequence 371111, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371111
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058581
US-10-257-017B-371111

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 746 ATTATGATAA 756
Db 2 ATTATGATAA 12

RESULT 2490
US-10-257-017B-329767/c
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; Sequence 329767, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 329767
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0035132
US-10-257-017B-329767

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 748 TATTGTAATA 758
Db 11 TATCAATAATA 1

RESULT 2491
US-10-257-017B-371408
; Sequence 371408, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371408
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058756
US-10-257-017B-371408

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 748 TATTGTAATA 758
Db 1 TATCAATAATA 11

RESULT 2492
US-10-257-017B-284516
; Sequence 284516, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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;; CURRENT FILING DATE: 2002-10-07
;; PRIOR APPLICATION NUMBER: DE 10019173.8
;; PRIOR FILING DATE: 2000-04-07
;; NUMBER OF SEQ ID NOS: 382046
;; SEQ ID NO 284516
;; LENGTH: 12
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011865
US-10-257-017B-284516

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
DB 1 ATTATAATAA 11

RESULT 2493
US-10-257-017B-285322
; Sequence 285322, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 285322
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012240
US-10-257-017B-285322

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
DB 1 ATTATAATAA 11

RESULT 2494
US-10-257-017B-294030
; Sequence 294030, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 294030
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

;; OTHER INFORMATION: Oligonucleotide-Primer
US-10-257-017B-294030

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
DB 2 TTATAATAAT 12

RESULT 2495
US-10-257-017B-301409/c
; Sequence 301409, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 301409
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0019487
US-10-257-017B-301409

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||
DB 11 TTATAATAAT 1

RESULT 2496
US-10-257-017B-302623
; Sequence 302623, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 302623
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020088
US-10-257-017B-302623

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATTGATAAT 757
|||||

Db 2 TTATCTATAAT 12

RESULT 2497

US-10-257-017B-318750/c
; Sequence 318750, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 318750

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURES:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028844

US-10-257-017B-318750

Query Match

Best Local Similarity 6.4%; Score 7.8; DB 1; Length 12;

Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATGATAAT 757

Db 12 TTATGAATAAT 2

RESULT 2498

US-10-257-017B-320374/c

; Sequence 320374, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 320374

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURES:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029677

US-10-257-017B-320374

Query Match

Best Local Similarity 6.4%; Score 7.8; DB 1; Length 12;

Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 747 TTATGATAAT 757

Db 11 TTATGAATAAT 1

RESULT 2499

US-10-257-017B-327583/c

; Sequence 327583, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 327583
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033748
US-10-257-017B-327583

Query Match

Best Local Similarity 6.4%; Score 7.8; DB 1; Length 12;

Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756

Db 12 ATTATGAATAA 2

RESULT 2500

US-10-257-017B-328386

; Sequence 328386, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 328386

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURES:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034364

US-10-257-017B-328386

Query Match

Best Local Similarity 6.4%; Score 7.8; DB 1; Length 12;

Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756

Db 2 ATTATAATAA 12

RESULT 2501

US-10-257-017B-334645

; Sequence 334645, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 334645

; SEQ ID NO 334645
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0038322
US-10-257-017B-334645

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAA 757
|||||
Db 1 TTATAATAAT 11

RESULT 2502
US-10-257-017B-342555/c
; Sequence 342555, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 342555
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042597
US-10-257-017B-342555

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 666 AGAGGGTTTAC 676
|||||
Db 11 AAAAGGTTTAC 1

RESULT 2503
US-10-257-017B-343672
; Sequence 343672, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343672
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043193
US-10-257-017B-343672

Query Match 6.4%; Score 7.8; DB 1; Length 12;

Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 746 ATTATTGATAA 756
|||||
Db 1 ATTATCCATAA 11

RESULT 2504
US-10-257-017B-346801/c
; Sequence 346801, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 346801
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044770
US-10-257-017B-346801

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 747 TTATTGATAA 757
|||||
Db 12 TTATCTATAAT 2

RESULT 2505
US-10-257-017B-351653
; Sequence 351653, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351653
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005302
US-10-257-017B-351653

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 746 ATTATTGATAA 756
|||||
Db 1 ATTATAATAA 11

RESULT 2506

```

US-10-257-017B-358895
; Sequence 358895, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358895
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051367
US-10-257-017B-358895

Query Match      6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
Db      2 ATTATCTATAA 12

RESULT 2507
US-10-257-017B-359011/c
; Sequence 359011, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 359011
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051423
US-10-257-017B-359011

Query Match      6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
Db      12 ATTATAAATAA 2

RESULT 2508
US-10-257-017B-363555/c
; Sequence 363555, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO

```

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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 363555
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0053936
US-10-257-017B-363555

Query Match      6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
Db      12 ATTATAAATAA 2

RESULT 2509
US-10-257-017B-363758/c
; Sequence 363758, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 363758
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0054044
US-10-257-017B-363758

Query Match      6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      746 ATTATTGATAA 756
Db      11 ATTATAAATAA 1

RESULT 2510
US-10-257-017B-376754/c
; Sequence 376754, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 376754
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence

```

; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061974
US-10-257-017B-376754

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 11 ATTATCTATAA 1

RESULT 2511
US-10-708-951-18604/c
; Sequence 18604, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 18604
; LENGTH: 12
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-18604

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 12 ATTATAATAA 2

RESULT 2512
US-10-708-951-51769/c
; Sequence 51769, Application US/10708951
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY BACTERIAL
; FILE REFERENCE: 55034
; CURRENT APPLICATION NUMBER: US/10/708,951
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 59824
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 51769
; LENGTH: 12
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-708-951-51769

Query Match 6.4%; Score 7.8; DB 1; Length 12;
Best Local Similarity 81.8%; Pred. No. 1.9e+03;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 746 ATTATTGATAA 756
|||||
Db 12 ATTATAATAA 2

Search completed: April 27, 2004, 15:27:28
Job time : 12 secs

GenCore version 5.1.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 27, 2004, 16:08:10 ; Search time 0.001 Seconds
(without alignments)
33.396 Million cell updates/sec

Title: us-09-828-344-3

Perfect score: 121

Sequence: 1 gaacagcttgacagaggg.....ataatgggtcaagaagtc 121

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 0.5

Searched: 11 seqs, 138 residues

Total number of hits satisfying chosen parameters: 22

Minimum DB seq length: 8

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 12 summaries

Database : rst.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
C 1	14.4	11.9	21	AZ331895	ACCESSION:AZ331895
C 2	9.8	8.1	15	AL047659	ACCESSION:AL047659
C 3	9.4	7.8	12	BQ589761	ACCESSION:BQ589761
C 4	9.4	7.8	21	AZ331895	ACCESSION:AZ331895
C 5	8.8	7.3	12	CF32587	ACCESSION:CF32587
C 6	8.4	6.9	12	AL047587	ACCESSION:AL047587
C 7	8	6.6	9	CF295907	ACCESSION:CF295907
C 8	8	6.6	10	CF339022	ACCESSION:CF339022
C 9	7.8	6.4	11	BQ587100	ACCESSION:BQ587100
C 10	7.8	6.4	12	BQ924390	ACCESSION:BQ924390
C 11	7.8	6.4	12	CA850650	ACCESSION:CA850650
C 12	7.8	6.4	12	AQ903019	ACCESSION:AQ903019

ALIGNMENTS

RESULT 1
AZ331895/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS

21 bp DNA linear GSS 29-SEP-2000
IM0060F21F Mouse 10kb plasmid UUC1M library Mus musculus genomic
clone UUC1M0060F21 F, genomic survey sequence.

AZ331895
AZ331895.1 GI:10395029
GSS.
Mus musculus (house mouse)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 21)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mamoud, M., Meenen, E., Pedersen, T.,
Reilly, M., Rose, R., Stokes, R., Tingey, A., von

TITLE
JOURNAL
COMMENT

Niederhausern, A. and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0060 row: P column: 21
Seq primer: CGTGTAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 21.
Location/Qualifiers
1. .21

FEATURES
source

/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUC1M0060P21"
/sex="Male"
/lab_hosts="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 11.9%; Score 14.4; DB 1; Length 21;
Best Local Similarity 93.8%; Pred. NO. 0.23;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 741 TCAGGATTATTGATAA 756

Db 20 TGAGGATTATTATAA 5

RESULT 2

AL047659/c

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

AL047659 15 bp mRNA linear EST 04-SEP-2003
DKFZP56K0521_r1 586 (synonym: hute1) Homo sapiens cDNA clone
DKFZP56K0521, mRNA sequence.

AL047659

AL047659.1 GI:4728655

EST.

Homo sapiens (human)

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 15)

Ottewaelder, B., Obermaier, B., Mewes, H.W., Gassenhuber, J. and

Wiemann, S.

EST (Ottewaelder, et al.)

Unpublished (1999)

COMMENT

Contact: MIPS
MIPS
Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany.

FEATURES

source

1. .15
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="DKFZ586K0521"
/tissue_type="uterus"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="586 (synonym: hurel)"
/note="Vector: pSport1; Site_1: NotI; Site_2: SalI/MluI"

Query Match

Best Local Similarity 8.1%; Score 9.8; DB 1; Length 15;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY

721 GCCATCTAGACCT 733

Db

14 GCGATCTAGAACT 2

RESULT 3

LOCUS

BO589761 12 bp mRNA linear EST 06-DEC-2002
DEFINITION E01280-024-020-P03-SP6 MP1Z-ADIS-024-storage root Beta vulgaris
cDNA clone 024-020-P03 5-PRIME, mRNA sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

BO589761 1 (bases 1 to 12)
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.

REFERENCE

AUTHORS

Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
Plant J. 32 (5), 845-857 (2002)

TITLE

JOURNAL

MEDLINE

PUBMED

COMMENT

Contact: Weisshaar B
ADIS DNA core facility at MP1Z
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@mpiz-koeln.mpg.de
Insert Length: 12 Std Error: 0.00
Plate: 20 row: P column: 03
Seq primer: SP6: CATACGATTGTGACACTATAG.

FEATURES

source

1. .12
/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding
line)"
/db_xref="GABI:190373"
/db_xref="taxon:161934"
/clone="024-020-P03"
/tissue_type="storage root"
/lab_host="EMDH10B"
/clone_lib="MP1Z-ADIS-024-storage root"

/note="Vector: pCMVSPORT6; Site 1: SalI; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzzucht AG Binbeck, Germany, contact:
b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
orientation:
SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:

Sequencing granted in the context of the GABI-Beet
project, local PI: Dr. Katharina Schneider, coordinator:
Prof. Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: <http://gabi.rzpd.de>

Query Match 7.8%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.8;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY

671 GTTACTTTGTC 681

Db

1 GTCTACTTTGTC 11

RESULT 4

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

1. .21

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0060P21"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(<http://www.jax.org/resources/documents/dnares/>). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptor DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of PWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptor mouse DNA was annealed to

21 bp DNA linear GSS 29-SEP-2000

1M0060P21F Mouse 10kb plasmid UUGC1M library Mus musculus genomic

clone UUGC1M0060P21 F, genomic survey sequence.

AZ331895

GSS

Mus musculus (house mouse)

Mus musculus

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 21)

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhausern,A. and Wright,D., Weiss,R.,

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

Unpublished (2000)

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

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Insert Length: 10000 Std Error: 0.00

Plate: 0060 row: P column: 21

Seq primer: CGTTGTAACGACGCCAGT

Class: plasmid ends

High quality sequence stop: 21.

Location/Qualifiers

1. .21

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0060P21"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(<http://www.jax.org/resources/documents/dnares/>). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptor DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of PWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptor mouse DNA was annealed to

adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

Query Match 7.8%; Score 9.4; DB 1; Length 21;
Best Local Similarity 90.9%; Pred. No. 7.3;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 TTATGATAAT 757
|||||
Db 5 TTATTAATAAT 15

RESULT 5
CF372587 12 bp mRNA linear EST 27-AUG-2003
LOCUS CSECS078B02_Flon0012 Cabsau Normalised Flower Stage 12 (Flon0012)
DEFINITION Vitis vinifera cDNA clone CSECS078B02 3', mRNA sequence.
ACCESSION CF372587
VERSION CF372587.1 GI:34319833
KEYWORDS EST.
SOURCE Vitis vinifera
ORGANISM Vitis vinifera

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; Vitaceae; Vitis.

REFERENCE 1 (bases 1 to 12)
Iocco, P., Hua, C., Davies, C. and Thomas, M.R.
Expressed sequence tags from the grapevine cultivar Cabernet Sauvignon

UNPUBLISHED (2003)
CONTACT: Mark R. Thomas
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CSIRO

PO Box 350, Glen Osmond, SA, 5064, Australia
Tel: 61 8 83038600
Fax: 61 8 83038601

Email: Mark.R.Thomas@csiro.au
Seq primer: CCCAGTCACGCGTTGTAACG (M13 Forward)
POLYA=Yes

FEATURES
source
1..12
Location/Qualifiers

/organism="Vitis vinifera"
/mol_type="mRNA"
/cultivar="Cabernet Sauvignon"
/db_xref="taxon:29760"
/clone="CSECS078B02"
/sex="Hermaphrodite"
/dev_stage="12 - modified E-L system"
/clone_lib="Cabsau Normalised Flower Stage 12 (Flon0012)"
/note="Organ: Inflorescence including flowers; Vector: pZL; Normalised cDNA library from immature inflorescences at stage 12 of the modified E-L system. Tissue collected from field grown plants. A description of the modified E-L system can be found in the paper by B. G. Coombe 'Adoption of a system for identifying grapevine growth stages' (1995) Aust. J. Grape and Wine Res. 1: 104-110."

Query Match 7.3%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 2.8;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 721 GCCATCTAGACC 732
|||||
Db 1 GCGATCTAGAAC 12

RESULT 6
AL047587/c 12 bp mRNA linear EST 04-SEP-2003
LOCUS DKZPDS56G1321_r1 586 (synonym: hute1) Homo sapiens cDNA clone
DEFINITION DKZPDS56G1321, mRNA sequence.
ACCESSION AL047587

AL047587.1 GI:4728583
EST.
KEYWORDS Homo sapiens (human)
ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 12)
Ottewaelder, B., Obermaier, B., Mewes, H.W., Gassenhuber, J. and Wiemann, S.

TITLE EST (Ottewaelder, et al.)
JOURNAL Unpublished (1999)
COMMENT Contact: MIPS

FEATURES
source
1..12
Location/Qualifiers

/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="DKFZP586G1321"
/tissue_type="uterus"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="586 (synonym: hute1)"
/note="Vector: pSport1; Site 1: NotI; Site 2: SalI/MluI"

Query Match 6.9%; Score 8.4; DB 1; Length 12;
Best Local Similarity 90.0%; Pred. No. 3.7;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 721 GCCATCTAGA 730
|||||
Db 11 GCGATCTAGA 2

RESULT 7
CF295907

LOCUS CF295907 9 bp mRNA linear EST 14-AUG-2003
DEFINITION 30DGS--06-A20.b1 Rice leaf plasmid cDNA library I (30DGS) Oryza sativa cDNA clone 30DGS--06-A20, mRNA sequence.

ACCESSION CF295907
VERSION CF295907.1 GI:33664940
KEYWORDS EST.

FEATURES
source
Oryza sativa

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzaceae; Oryza.

REFERENCE 1 (bases 1 to 9)

AUTHORS Kim, J.S., Jun, K.M., Cheong, P.J., Kim, M.J., Lee, T.H., Shin, Y.C., Song, S.I., Kim, J.K., Kim, Y.-K. and Nahm, B.H.
TITLE Large-scale Sequencing Analysis of Rice ESTs
JOURNAL Unpublished (2003)
COMMENT Contact: Nahm B.H.

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Location/Qualifiers

FEATURES
source
1..9

/organism="Oryza sativa"
/mol_type="mRNA"
/cultivar="Nackdong"
/db_xref="taxon:4530"
/clone="30DGS--06-A20"
/tissue_type="leaf"
/dev_stage="30 days after germination"
/lab_host="E.coli DH10B"
/clone_lib="Rice leaf plasmid cDNA library I (30DGS)"
/note="Vector: PCR4-TOPO; Site 1: EcoRI; mRNA was capped with oligoribonucleotides and then used as templates for